TYPE CONSTRUCTION MATERIAL TEST PROCEDURES Name & Number Report SAMPLE ACCEPTANCE QUALITY ASSURANCE CONCRIGION OR TIME OF SAMPLING	
Contract Low STRENSTH Floridand Cement Air Content 1/137	REMARKS
STRENGTH FLOWABLE FILL	
FLOWABLE FILL Cement Fineness M85	
Fineness M295 Density M295 Dens	
Compressive Strength M85 Vicat 7131 Chemical M240	
Compressive strength Mas	
Chemical M85	
Portland Pozzolan Cement Air Content 7137 Fineness M240 Autoclave M240 Compressive Strength M240 Vicat 7131 Chemical M240 Fly Ash Physical & Chemical ASTM C311 Fineness M295 Activit M295 Density M295 Density M295 Chemical M295 Fine Aggregate Fine Aggregate Fine Aggregate Fine Aggregate DOT-175 DOT-658 DOT-175 D	
Fineness M240 Autoclave M240 Compressive Strength M240 Vicat T131 Chemical M240 Fly Ash Fineness M295 Activity M295 Density M295 Chemical M295 Chemical M295 Chemical M295 Density M295 Chemical M295 Chemical M295 Density M295 Chemical M295	
Cement	
Autoclave M240 Compressive Strength M240 Vicat T131 Chemical M240 Physical & Chemical ASTM C311 Fineness M295 Activity M295 Soundness M295 Density M295 Chemical M295 Chemical M295 Chemical M295 Fine Aggregate Gradation T27 Sand Equivalent GDT-63 Wash 200 T11 DOT-658 DOT-658 DOT-658 DOT-658 DOT-658 DOT-175	
Compressive Strength M240 Vicat T131 Chemical M240 Fly Ash Physical & Chemical ASTM C311 Fineness M295 Activity M295 Density M295 Density M295 Chemical M295 Chemical M295 The Aggregate Gradation T27 Sand Equivalent GDT-63 Wash 200 T11 DOT-658 DOT-658 DOT-658	
Chemical M240 Fly Ash Physical & Chemical ASTM C311 Fineness M295 Activity M295 Density M295 Density M295 Chemical M295 Fine Aggregate Gradation T27 Sand Equivalent GDT-63 Wash 200 T11 DOT-658 DOT-658 DOT-658 Chemical M295 DOT-658 DOT-658 DOT-658 DOT-658 DOT-658 DOT-658 Chemical M295 DOT-658 DO	
Fly Ash Physical & Chemical ASTM C311 Fineness M295 Activity M295 Soundness M295 Density M295 Chemical M295 Chemical M295 Fine Aggregate Gradation T27 Sand Equivalent GDT-63 Wash 200 T11 DOT-658 DOT-658 DOT-175 To lbs. QPL-30 One per Quarter, per Source, per District One per Source, per District One per Source, per District Stock QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDT will perform generate technology. Stock or Conveyor Belt Stock	
C311 Fineness M295 Activity M295 Donaity M295 Density M295 Density M295 Chemical M295 Sand Equivalent GDT-63 Wash 200 T11 DOT-658 20 lbs. DOT-658 20 lbs. DOT-658 DOT-	
Activity M295 Soundness M295 Density M295 Chemical M295 Fine Aggregate Gradation T27 Sand Equivalent GDT-63 Wash 200 T11 DOT-658 DOT-658 DOT-175 10 lbs. QPL-30 One per Quarter, per Source, per District One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; GDOT will perform accordance tests on accordance tests	
Sounders M295 Density M295 Chemical M295 Fine Aggregate Gradation T27 Sand Equivalent GDT-63 Wash 200 T11 DOT-658 DOT-	
Soundness M295 Density M295 Chemical M295 Fine Aggregate Gradation T27 Sand Equivalent GDT-63 Wash 200 T11 DOT-658 20 lbs. Source, per District One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; GDOT will perform GDT-07 will perform GDOT will perform GDT-07 will perform GDOT will perform GDDT-07 will perform GDDT will pe	
Chemical M295 Fine Aggregate Gradation T27 Sand Equivalent GDT-63 Wash 200 T11 DOT-658 DOT-658 One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; GDOT will perform control to the part of the part o	
Fine Aggregate Gradation 727 Sand Equivalent GDT-63 Wash 200 711 DOT-658 DOT-658 DOT-658 One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; GDOT will perform constitute on second on the contraction of th	
Sand Equivalent GDT-63 Wash 200 T11 One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; GDOT will perform constitute on Section D, Stock or Conveyor Belt Sources; material	
Wash 200 <i>T11</i> DOT-658 One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material DOT-658 Stock or Conveyor Belt Stock or Conveyor Belt Section D, Stock or Conveyor Belt Sources; material	
Wash 200 711 DOT-658 One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; GDOT will perform sources; material Sources; material Sources material Sources tests on the second source of the	
from Section D must be sampled. acceptance tests on materials delivered from Section D Sources.	
Water Quality of Water to be Used in Concrete 726 Quality of Water to be Used in Concrete 726 DOT-088 1 qt.* One per unpotable Source, per month Enough in advance so that results are known before use	*non-metal container
Air Entrainment Air-Entraining Admixtures for Concrete <i>M154</i> Air Entraining Admixtures for DOT-175	
Chemical Admixtures for Admixtures for Concrete <i>M194</i> Chemical Admixtures for Concrete <i>M194</i> Chemical Admixtures for Concrete <i>M194</i> DOT-175 1 qt. QPL-14 QPL-14 One per 6 months, per Source, per District	

					GUIDE FF	REQUENCY		
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	LOCATION OR TIME	
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	OF SAMPLING	REMARKS
602 DOUBLEWALL	Precast Wall	ı	1		ODL 0.9 Plant China	ing Deport (OMD 122)		
PRECAST WALL	Units				QPL-9 & Plant Snipp	ing Report (OMR-122)		
	Backfill	Theoretical Density GDT-24 or	DOT-409		As needed to control			
	Baokiiii	GDT-7 & GDT-67	201 400		the work			
		In-Place Density GDT-21 or	DOT-553		One per day on		Completed Course	
		GDT-59			continuous work			
		Gradation 727	DOT-658		QPL-2	As needed		
	Joint Treatment							
	Plastic Filter Fabric –	Tensile Strength ASTM D4632						
	Woven				-			
		Bursting Strength ASTM D3786	Certification		QPL-28			Independent Assurance:
		Elongation ASTM D4632	-		-			sample occasionally
		Percent Open Area GDT-88	-		_			_
	Plastic Filter	Puncture Resistance ASTM						
	Fabric –	D4833						
	Non-Woven	Grab Tensile Strength ASTM	-		_			_
		D4632	Certification		QPL-28			Independent Assurance:
		Grab Elongation ASTM D4632	-		-			sample occasionally
		Flowrate GDT-87	- 		-			
	Rubber	Hardness ASTM D2240	Certification					
	Bearing Pads							
	Preformed Cork	Recovery ASTM D1752	-					
	COIN	Compression ASTM D1752						
		Extrusion ASTM D1752	Certification					
		HCI ASTM D1752	-					
	Bearing Pads	Dimensions						
	Dearing 1 ado	Compression Modulus	-		Certified By		+	
		Shear Modulus	Certification		Manufacturer &		Before placement	
		Tensile Strength T244	301300.011		inspected by Office of Materials		2 STOTO PIGGOTTION	
		Heat Aging ASTM D573	1		or materials		1	
	Concrete	Cylinder GDT-35 & T22	DOT-319				-	<u> </u>
	<u>Drainage</u>		*L		*		- L	
	•							

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Aggregate for Underdrain	Gradation 727	DOT-658		One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance test on materials delivered from Section D Sources.		
	Corrugated	Diameter M196M						
	Aluminum Alloy Pipe	Depth & Spacing of Corrugations <i>M196M</i>			-			
		Thickness M197M						
		Arch Dimensions M196M	DOT-291			ted with CMPT or GDT		
		Chemical M197M			- (6	ag		
		Tensile Strength T244			1			
		Yield Strength T244						
		Elongation T244						
	Corrugated	Diameter M36M						
	Steel Pipe	Depth & Spacing of Corrugations <i>M36M</i>	DOT-291			ted with CMPT or GDT		
		Thickness M36M			- (6	ag		
		Galvanization <i>M218M</i>			1			
	Corrugated	Diameter M252M						
	Plastic Pipe	Depth & Spacing of Corrugations <i>M252M</i>						
		Thickness M252M			1			
		Stiffness ASTM D2412						
		Flattening M252M	OMR-INSP- 89		QP	L-51		
		Elongation <i>M252M</i>						
		Brittleness M252M						
		Flexibility M252M						
		Couplings M252M						
		Strength M252M		<u> </u>				
	Reinforcing Ste		1		i	i	i	i
	Steel Bars for Reinforcement	Number M31M	_					
	Kennorcement	Weight M31M		QPL-12 & QPL-61	Random sampling of	Supplier,Fabricator or		
		Dimensions MM31	DOT-166	per size	w/Certified Mill Test	st Random sampling at Fabricator	Jobsite storage	
		Deformation Spacing M31M	_		Reports.			
		Height & Gap M31M		<u> </u>				

TYPE CONSTRUCTION MATERIAL Inside Strength 7244 Visid Strength 724						GUIDE FR	EQUENCY		
Veild Strength 7244 Elongation 7244 Bend Test 7285 Chemical #337M Size Work of Reinforcement Wide State State Wise Fabric to Reinforcement Wise State State Wise Fabric to Reinforcement Wide State Wise Fabric to Reinforcement Wise Radiction 7244 Bend Test #355M Diameter #355M Area #855M Diameter #355M Area #855M Penalle Strength 7244 Area Reduction 7244 Bend Test #355M Area #855M Tenalle Strength 7244 Area Reduction 7244 Bend Test #355M Area #855M Wise Reduction 7244 Bend Test #355M Wise Reduction 7244 Bend Test #355M Wise Reduction 7244 Bend Test #355M Dowel Bars Dowel Bars Dowel Bars Dowel Bars Number #355M Deformation Spacing #355M Deformation 7244 Bend Test #355M Deformation Spacing #355M Deformation #355M Deforma	TYPE CONSTRUCTION	MATERIAL	Name & <i>Number</i>		SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE		REMARKS
Elongation 7244 Bend Test 1725 Chemical M31M Size M32M Testils Streight 7244 Yield Streight 7244 Wild Steel Wire Fabric for Reinforcement Report Parallel Mill Test Report Arandom sampling Jobatic storage and/or producer stock Parallel Mill Test Report Wire Fabric for Report Arandom sampling Jobatic storage and/or producer stock Parallel Mill Test Report Wire Fabric for Report Wire Fabric for Report Arandom sampling Jobatic storage and/or producer stock Parallel Mill Test Report Wire Fabric for Report Arandom sampling Jobatic storage and/or producer stock Parallel Mill Test Report Wire Fabric for Report Arandom sampling Jobatic storage and/or producer stock Parallel Mill Test Report Wire Fabric for Report Arandom sampling Jobatic storage and/or producer			_						
Bend Test 17285 Chemical Wire for Reinforcement Residual Region 17244 Weided Stoel Wire Fanic Residual Region 17244 Weided Stoel Wire Fanic Residual Region 17244 Area MSSM Weided Stoel Wire Fanic Region 17244 Area MSSM Tensie Strength 17244 Area Reduction 17244 Area MSSM Tensie Strength 17244 Area MSSM Weid Shear Strength 17244 Area MSSM Tensie Strength 17244 Area MSSM Area MSSM Tensie Strength 17244 Area MSSM			_						
Chemical M31M Size M32M Reinforcement Size M32M Tensile Strength T244 Trial Strength T244 Area Reduction T244 Bend Test M32M Tensile Strength T244 Trial Strength T244 Area Reduction T244 Tensile Strength T244 Trial S			•						
Sized Wire for Reinforcement Reinforcement Reinforcement Responsible Size M32M Trensile Strength 7244 Area Reduction 7244 Bend Test M32M Zive M55M Report Reinforcement Reinforcement Reinforcement Responsible Size M55M Area M55M Trensile Strength 7244 Area Reduction 7245 Area Reduction									
Reinforcement Aros M32M Tensite Strength T244 Yield Strength T244 Yield Strength T244 Wisinded Stell Wire Fabric for Reinforcement Aros M55M Tensite Strength M55M Aros M55M Tensite Strength M55M Aros M55M Tensite Strength M55M Aros M55M Wire Shen Strength M55M Aros M55M Wire Shen Strength M55M Wire M55M Length M55M Spacing M55M Downlean M55M Length M55M Weight M51M Deformation Spacing M51M Deformation Spacing M31M* Height & Gap M31M* Height & Gap M31M* Tensite Strength T244 Elongation T244 Elongat									
Tensile Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7244 Vield Strength 7245 Vield Strength 7246 Vield Strength 7245 Vield Strength 7244 Vield St									
Tensile Strength 7244 Yield Strength 7244 Area Reduction 7244 Bend Test M32M Velded Steel Wire Fabric for Reinforcement Area M55M Tensile Strength 7244 Area M55M Weld Shear Strength M55M United M55M Spacing M55M Downle Bars Dowel Bars Number M31M Deformations Spacing M31M* Deformation Spacing M31M* Tensile Strength 7244 Yield Strength 7244 Pelight & Gap M31M* Tensile Strength 7244 Pelight & Gap M31M* Coating 683.08 RIP RAP Rip Rap Stone) from Unapproved Strength Fave As The Captures approval by Pit & Apure Captures As The Captures As		Reinforcement							
Triell Strength 1244 Vield Strength 1244 Area Reduction 1244 Bend Test M32M Weider Ashre Comment Test M35M Tensile Strength 1244 Yield Strength 1244 Area Reduction 1244 Bend Test M35M Tensile Strength 1244 Area Reduction 1244 Bend Test M35M Weid Strength 1244 Area Reduction 1244 Bend Test M35M Weid Strength 1244 Test M35M Weid Strength 1244 Test M35M Weid Strength 1244 Test M35M Weid Strength M35M Dowel Bars Weight M35M Dowel Bars Weight M35M Deformation Systim Deformation Systim Deformation Systim Deformation Systim Deformation Tay44 Elengation 1244 Elengation 1244 Bend Test 1285 Chemical M31M Coating 833.08 803 RIP RAP Sip Rap Sip Rap Signeption Soundness 7104 Percent Wear 736 Petrographic AST M258					4 0 0 4 7	O (15 1841) T			
Area Reduction 17244 Bend Test M35M Tensile Strength 17244 Area Reduction 17244 Bend Test M55M Weld Strength 7244 Area Reduction 17244 Bend Test M55M Weld Shear Strength M55M Weld Shear Strength M55M Weld Shear Strength M55M Unith M55M Length M55M Spacing M55M Dowel Bars Number M31M Deformation Spacing M31M* Height & Gap M31M* Tensile Strength 17244 Finnelse Strength 17244 Bend Test M55M Dowel Bars Number M31M Deformation Spacing M31M* Tensile Strength 17244 Bend Test 17285 Chemical M31M Coating 833.08 603 RIP RAP Rip Rap (Stone) from Unapproved As TRUE Past Petrographic Augusts of Capitral P			_	Certification	1 pc @ 24" ner size/dia		Random sampling		
Welded Steel Wire Fabric for Reinforcement Welded Steel Wire Fabric for Reinforcement Area MSSM Tensils Strength 7244 Area Reduction 7244 Bend Test MSSM Weld Shear Strength MSSM With MSSM Length MSSM Weight MSSM Dowel Bars Number MS1M Dimensions M31M Dimensions M31M Deformation Spacing MS1M* Height & Gap M31M* Tensils Strength 7244 Elongation 7244 Elongation 7244 Bend Test 7285 Chemical M31M Coating 853.08 BOT-166A RIP RAP Rip Rap (Stone) from Unapproved ASTM Size MSSM Area MSSM Area MSSM Certification 2' X 2' OPL-55 w/Certified Mill Test Report Random sampling Jobsite storage and/or producer stock Area MsSM Area MSSM Area MSSM Certification 2' X 2' OPL-55 w/Certified Mill Test Report Area Medical Mass Area MsSM Area M			_		por dizerdia	Порон		producer stock	
Welded Steel Wire Fabric for Reinforcement Area M55M Diameter M55M Tensile Strength 7244 Area Reduction 7244 Area Reduction 7244 Band Test M55M Weld Shear Strength M55M Uvidn M55M Length M55M Specing M55M Specing M55M Specing M55M Number M31M Diemeter M31M Deformation Spacing M31M* Height & Gap M31M* Tensile Strength 7244 Elongation									
Wire Fabric for Reinforcement			Bend Test M32M						
Reinforcement Area M55M									
Area M55M Tensile Strength 7244 Yield Strength 7244 Area Reduction 7244 Bend Test M55M Weld Shear Strength M55M Weld Shear Strength M55M Spacing M55M Dowel Bars Dowel Bars Number M31M Dimensions M31M Deformation Spacing M31M* Tensile Strength 7244 Elongation 7244 Elongation 7244 Elongation 7244 Bend Test 7285 Chemical M31M Dcaling M31M Coating 853.08 RIP RAP Rip Rap (Stone) from Unapproved Random sampling Jobsite storage and/or producer stock									
Vield Strength 7244 Area Reduction 7244 Bend Test M55M Weld Shear Strength M55M Width M55M Length M55M Spacing M55M Weight M31M Dimensions M31M Deformation Spacing M31M* Height & Gap M31M* Test Report Gap M31M* Test Report Mill Te		remoreoment							
Area Reduction 7244 Bend Test M55M Weld Shear Strength M55M Unith M55M Length M55M Spacing M55M Number M31M Dimensions M31M Dimensions M31M Deformation Spacing M31M* Height & Gap M31M* Tensile Strength 7244 Yield Strength 7244 Yield Strength 7244 Bend Test 7285 Chemical M31M Coating 853.08 RIP RAP Rip Rap (Stone) from Unapproved Rip Rap (Stone) from (St									
Bend Test M55M Weld Shear Strength M55M Weld Shear Strength M55M Length M55M Spacing M55M Dowel Bars Dowel Bars Number M31M Deformation Spacing M31M* Tensile Strength T244 Tield Strength T244 Elongation T244 Elongation T244 Bend Test T285 Chemical M31M Coating 853.08 RIP RAP Rip Rap (Stone) from Unapproved (Stone) from Unapproved Randoll Sampinil p producer stock All Test Report Randoll Sampinil p producer stock All Test Report Randoll Sampinil p producer stock All Test Report Producer stock All Test Report All Test Report PA2 Mill Test Report *N/A for Plain Dowel Bars			_		2' X 2'	ODL 55/O1'f'1	Random sampling		
Bend Lest M55M Weld Shear Strength M55M Length M55M Spacing M55M Spacing M55M Number M31M Dimensions M31M Deformation Spacing M31M* Height & Gap M31M* Tensile Strength T244 Yield Strength T244 Elongation T244 Bend Test T285 Chemical M31M Coating 853.08 RIP RAP Rip Rap (Stone) from Unapproved (Stone) from Unapproved A5TM C295 Requires approval by Pit & Quarry Requires approval by Pit & Requires approval by Pit			Area Reduction T244	Certification					
Width M55M Length M55M Spacing M55M Spacing M55M Dowel Bars Number M31M Weight M31M Dimensions M31M Deformation Spacing M31M* Height & Gap M31M* Tensile Strength T244 Yield Strength T244 Elongation T244 Bend Test T285 Chemical M31M Coating 853.08 RIP RAP Rip Rap Rip Rap Soundness T104 Requires approval by Pit & Quarry Requires approval by Pit &						Willi Test Report		producer stock	
Length M55M Spacing M55M Dowel Bars Number M31M Weight M31M Dimensions M31M Deformation Spacing M31M* Height & Gap M31M* Transile Strength T244 Yield Strength T244 Elongation T244 Bend Test T285 Chemical M31M Coating 853.08 RIP RAP Rip Rap (Stone) from Unapproved Soundness T104 Percent Wear T96 Petrographic ASTM C295 Requires approval by Pit & Quarry Visual Inspection Requires approval by Pit & Quarry Riv Rap Rip Rap Rip Rap (Stone) from Unapproved ASTM C295			Weld Shear Strength M55M						
Spacing M55M Dowel Bars Number M31M Weight M31M Dimensions M31M Deformation Spacing M31M* Height & Gap M31M* Tensile Strength 7244 Yield Strength 7244 Elongation 7244 Bend Test 7285 Chemical M31M Coating 853.08 RIP RAP Rip Rap (Stone) from Unapproved Requires approval by Pit & Quarry Visual Inspection Requires approval by Pit & Quarry Requires approval by Pit & Quarry Requires approval by Pit & Quarry			Width M55M						
Dowel Bars			Length <i>M55M</i>						
Weight M31M Dimensions M31M Deformation Spacing M31M* Height & Gap M31M* Tensile Strength T244 Yield Strength T244 Elongation T244 Bend Test T285 Chemical M31M Coating 853.08 Tensile Strength T244 Rip Rap (Stone) from Unapproved ASTM C295 Soundness T104 Percent Wear T96 Petrographic ASTM C295 ASTM C295			Spacing <i>M55M</i>						
Dimensions M31M Deformation Spacing M31M* Height & Gap M31M* Tensile Strength T244 Yield Strength T244 Elongation T244 Bend Test T285 Chemical M31M Coating 853.08 Toating 853.08 RIP RAP Rip Rap (Stone) from Unapproved ASTM C295 Requires approval by Pit & Quarry Visual Inspection Requires approval by Pit & Quarry Visual Inspection Requires approval by Pit & Quarry		Dowel Bars							
Deformation Spacing M31M* Height & Gap M31M* Tensile Strength T244 Yield Strength T244 Elongation T244 Bend Test T285 Chemical M31M Coating 853.08 Toating Rap (Stone) from Unapproved Unapproved Unapproved DOT-166A DOT-166A QPL-43 w/Certified Mill Test Report APA QPL-43 w/Certified Mill Test Report Visual Inspection Requires approval by Pit & Quarry			_						
Height & Gap M31M* Tensile Strength T244 Yield Strength T244 Elongation T244 Bend Test T285 Chemical M31M Coating 853.08 RIP RAP Rip Rap (Stone) from Unapproved Unapproved Unapproved STM C295 RIP RAP Right & Gap M31M* Percent Wear T96 Petrographic ASTM C295 ASTM C295 DOT-166A QPL-43 w/Certified Mill Test Report Mill Test Report Mill Test Report Visual Inspection Requires approval by Pit & Quarry									
Tensile Strength 7244 Yield Strength 7244 Elongation 7244 Bend Test 7285 Chemical M31M Coating 853.08 RIP RAP Rip Rap (Stone) from Unapproved Unapproved ASTM C295 Coating Strength 7244			Deformation Spacing <i>M31M</i> *						
Final Strength 7244 Flongation 7244 Bend Test 7285 Chemical M31M Coating 853.08 RIP RAP Rip Rap (Stone) from Unapproved Unapproved Rip Rap (Stone) from Unapproved ASTM C295				DOT-166A					*N/A for Plain Dowel Bars
Elongation T244 Bend Test T285 Chemical M31M Coating 853.08 RIP RAP Rip Rap (Stone) from Unapproved Unapproved RIP RAP Rip Rap ASTM C295 Requires approval by Pit & Quarry			_	DOTTOOK		Mill Test Report			TWA TOT I TAIL BOWE BAIS
Bend Test T285 Chemical M31M Coating 853.08 RIP RAP Rip Rap (Stone) from Unapproved Visual Inspection Requires approval by Pit & Quarry Visual Inspection Requires approval by Pit & Quarry			_						
Chemical M31M Coating 853.08 603 RIP RAP Rip Rap (Stone) from Unapproved Unapproved Requires approval by Pit & Quarry Visual Inspection Requires approval by Pit & Quarry									
Coating 853.08 RIP RAP Rip Rap (Stone) from Unapproved Unapproved Requires approval by Pit & Quarry Visual Inspection Requires approval by Pit & Quarry									
RIP RAP Rip Rap (Stone) from Unapproved Unapproved Rip Rap ASTM C295 Soundness T104 Percent Wear T96 Petrographic ASTM C295 Visual Inspection Requires approval by Pit & Quarry									
RIP RAP Rip Rap (Stone) from Unapproved C295 Soundness T104 Visual Inspection Requires approval by Pit & Quarry			Coating 853.08						
(Stone) from Percent Wear 796 Petrographic Unapproved ASTM C295					,		1.0		
	RIP RAP	(Stone) from Unapproved	Percent Wear 796 Petrographic				Visual Inspection		Requires approval by Pit & Quarry

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Rip Rap (Stone) from Approved Source				QPL-2	Visual Inspection		
	Stone Filter	Sand Equivalent <i>GDT-63</i>						
	Blanket	Soundness T104	DOT OF					
		Percent Wear T96	DOT-658					
		Gradation 727						
	Membrane Curing Compound				QPL-16 <u>or</u> pre- inspected by Central Lab Personnel			
	Portland Cement	Physical & Chemical Analysis <i>M85</i>						
		Air Content T137						
		Fineness <i>M85</i>	DOT-175	20 lbs.	QPL-3			
		Autoclave M85	DO1-175	20 105.	QPL-3			
		Compressive Strength M85						
		Vicat T131						
	Water	Chemical <i>M85</i> Physical & Chemical Analysis	DOT-088	1 ~+ *	One per unpotable		Enough in advance so	*non motal containor
	water	T26	DO1-066	1 qt.*	Source Source		results are know before use	*non-metal container
	Fine Aggregate	Gradation 727						
		Wash -200 T11			One per 500 tons			
		Portland Cement Reaction GDT-5	DOT-658	20 lbs.	based upon QPL-2, except for Section D, Stockpile Basis Sources; materials from Section D must be sampled.		Stock	
	Plastic Filter Fabric	WovenTensile Strength ASTM D4632						
		Bursting Strength ASTM D3786	Certification		QPL-28			
		Percent Open Area GDT-88]			
		Elongation ASTM D4632						
604								
RETAINED EARTH WALL	Wall Panels		Certification			PL-9 eport (OMR-122)		

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Soil Reinforcing Mesh	ASTM A82	Certification			ntral Lab Personnel & GDT tags attached		
	Attaching Devices	As Specified	Certification		Certified Mill Test Report			Independent Assurance: sample occasionally
	Concrete	Compressive Strength <i>GDT-35</i> & <i>T22</i>	DOT-319	2 cylinders	See NOTE 1		During pouring	Cylinders to be broken in Branch or Central Lab
		NOTE 1: One set per each 50 years Concrete cylinders shall be fabric structure to represent Concrete pl	ated for each cur	nulative 50 yd³ or	d daily for each structure r fraction thereof, of conc	, except for Concrete use rete placed per week in e	ed in Bridge Curb, Handrail each structure. Cylinders sh	or Wall Coping. Two nall not be fabricated at one
		Air Content GDT-26 or GDT-32	DOT-168	See NOTE 2	When cylinders are made		Placement site	Additional Slump test will be required when Water is added on Project
		Slump GDT-27						
		Mix Temperature GDT-122						
		NOTE 2: Air, Slump & Mix Temprecommended at least every third	erature tests are load on Bridge [all required when Deck placement.	cylinders are made & as	s judged necessary to ins	sure adequate controls. Add	ditional tests are
	Joint Fillers	As Specified	Certification		Certified Mill Test Report			Independent Assurance: sample occasionally
	Granular Backfill	Physical & Chemical Analysis As Specified	Certification	45 lbs.	Approved by Central Lab Personnel		Prior to use	Requires approval by Pit & Quarry
		Theoretical Density GDT-24 or GDT-7				As needed to control the work		
		In-Place Density GDT-21 or GDT-59	DOT-553		One per day on continuous work		Completed Course	
	Filter Fabric	As Specified	Certification	1	QPL-28	-		
605								
GEORGIA	Wall Panels		Certification		QPL-9 & Plant Shippi	ing Report (OMR-122)		
STABILIZED EMBANKMENT	Backfill Stabilizing Mesh	ASTM A82	Certification		Pre-inspected by Central Lab Personnel			
	Steel Strap Connection	As Specified	Certification	2 @ 24" for each size	Certified Mill Test Report & sampled by Central Lab Personnel			
	Concrete	Compressive Strength GDT-35 & T22	DOT-319	2 cylinders	See NOTE 1		During pouring	Cylinders to be broken in Branch or Central Lab

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		NOTE 1: One set per each 50 yd Concrete cylinders shall be fabrica structure to represent Concrete pl	ated for each cun	nulative 50 yd3 or	d daily for each structure fraction thereof, of Conc	, except for Concrete use crete placed per week in o	ed in Bridge Curb, Handrail of each structure. Cylinders sl	or Wall Coping. Two nall not be fabricated at one
		Air Content GDT-26 or GDT-32	DOT-168	See NOTE 2	When cylinders are made		Placement site	Additional Slump test will be required when Water is added on Project
		Slump GDT-27	1					
		Mix Temperature GDT-122	1					
		NOTE 2: Air, Slump & Mix Temporecommended at least every third			cylinders are made & as	s judged necessary to ins	sure adequate controls. Add	litional tests are
	Joint Fillers	As Specified	Certification		Certified Mill Test Report			Independent Assurance: sample occasionally
	Backfill	Physical & Chemical Analysis As Specified		45 lbs.	Approved by Central Lab Personnel		Prior to use	Requires approval by Pit & Quarry
		Theoretical Density GDT-24 or GDT-7				As needed to control the work		
		In-Place Density GDT-21 or GDT-59	DOT-553		One per day on continuous work		Completed Course	
607								
RUBBLE	Masonry Stone	Percent Wear T96						
MASONRY		Soundness T104	Misc.	100 lbs.	If not on QPL-2, 1 per Source		Stock	
		Visual Inspection			per Source		1	
	Mortar Sand	Gradation 727	DOT 050	00 11	ODI 4			
		Wash 200 T11	DOT-658	20 lbs.	QPL-1			
	Portland Cement	Physical & Chemical Analysis M85 or M150, Type II			QPL-3			
		Air Content T137						
		Fineness <i>M85</i>						
		Autoclave M85	DOT-175	20 lbs.				
		Compressive Strength M85						
		Vicat 7131						
		Chemical <i>M85</i>						
	Water	Physical & Chemical Analysis 726		1 qt.*	One per unpotable Source		Enough in advance so that results are known before use	*non-metal container
608								
BRICK MASONRY	Clay or Shale Brick	Specification Requirements M91, Grade MA		10 Bricks	One set per 50,000 bricks, per Source		Material delivered to Project	

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Concrete Brick	Specification Requirements ASTM C55		10 Bricks	One set per 50,000 bricks, per Source		Material delivered to Project	
	Brick	Size						
		Absorption 732	Certification					
		Compressive Strength T32]					
	Mortar Sand	Gradation T27	DOT-658	00 15 -	ODI 4		Ctaalaaila	
		Wash 200 T11	DO1-658	20 lbs.	QPL-1		Stockpile	
	Portland Cement	Physical & Chemical Analysis M85 or M150, Type II						
		Air Content T137						
		Fineness M85	1					
		Autoclave M85	DOT-175	20 lbs.	QPL-3			
		Compressive Strength M85	1					
		Vicat T131						
		Chemical <i>M85</i>						
	Water	Physical & Chemical Analysis 726	DOT-088	1 qt.*	One per unpotable Source		Enough to advance so that results are known before use	*non-metal container
609								
EARTH WALL REINFORCED	Wall Panels		Certification		QPL-9 & Plant Shipping Report (OMR-122)			
	Reinforcing Tie Straps		Certification	2 straps @ 24"	Certified Mill Test Report			
	Granular Backfill	Physical & Chemical Analysis As Specified		45 lbs.	Approved by Central Lab Personnel		Prior to use	Requires approval by Pit & Quarry
		Theoretical Density GDT-21 or GDT-59				As needed to control the work		
		In-Place Density GDT-21 or GDT-59	DOT-553		One per day on continuous work		Completed Course	
	Joint Fillers		Certification	 	Certified Mill	LI Test Report		
	Concrete	Compressive Strength GDT-35 & T22	DOT-319	2 cylinders	See NOTE 1		During placement operations	Cylinders to be broken in Branch or Central Lab
		NOTE 1: One set per each 50 yd Concrete cylinders shall be fabrica structure to represent Concrete pla	ated for each cur	nulative 50 yd³ o				
		Air Content GDT-26 or GDT-32	DOT-168	See NOTE 2	When cylinders are		During placement	Additional Slump tests will be required when Water is
		Slump <i>GDT-27</i>	T152		made		operations	added on Project
I	L	· · ·	l	1	<u> </u>	<u> </u>	1	

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Mix Temperature <i>GDT-122</i>						
		NOTE 2: Air, Slump & Mix Temp	perature tests are	all required when	n cylinders are made & as	s judged necessary to insi	ure adequate controls.	
	Deinfereign			T	T		T	
	Reinforcing Steel				QP	L-12		
621								
CONCRETE	Concrete Ingred	lients Agents						
BARRIER	Portland	Air Content T137						
	Cement	Fineness <i>M85</i>						
		Autoclave M85	T	40.0	0.71.0	One per Quarter, per		
		Compressive Strength M85	DOT-175	10 lbs.	QPL-3	Source, per District		
		Vicat 7131						
		Chemical <i>M85</i>						
	Portland	Air Content T137						
	Pozzolan Cement	Fineness <i>M240</i>						
	Cement	Autoclave <i>M240</i>	DOT-175		ODI 00	One per Quarter, per		
		Compressive Strength M240		10 lbs.	QPL-30	Source, per District		
		Vicat T131						
		Chemical M240						
	Fly Ash	Physical & Chemical ASTM C311						
		Fineness <i>M295</i>						
		Activity M295	DOT-175	10 lbs.	QPL-30	One per Quarter, per		
		Soundness <i>M295</i>	7			Source, per District		
		Density M295						
		Chemical M295						
	Fine Aggregate	Gradation 727						
		Sand Equivalent <i>GDT-63</i>				QPL-1 Sources, 1		
			DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month , per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11	DOT-658	45 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Aggregate	Gradation T27			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month , per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Water	Quality of Water to be Used in Concrete 726	DOT-088	1 qt.*	One per unpotable Source, per month		Enough in advance so that results are known before use	*non-metal container
	Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete <i>M154</i>		1 qt.	QPL-13	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Chemical Admixtures	Chemical Admixtures for Concrete <i>M194</i>		1 qt.	QPL-14	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Steel Bars for	Number <i>M31M</i>						
	Reinforcement	Weight M31M	1					
		Dimensions <i>M31M</i>	1					
		Deformation Spacing M31M	7					
		Height & Gap <i>M31M</i>	7	1 pc @ 24"	QPL-12 & QPL-61	Random sampling at	Supplier,Fabricator or	
		Tensile Strength T244	DOT-166	per size	w/Certified Mill Test Reports.	Fabricator	Jobsite storage	
		Yield Strength T244	1		Reports.			
		Elongation T244	†					
		Bend Test T285	†					
		Chemical <i>M31M</i>	1					
	Joint Fillers & S	icalers	L	.L	L	.L		<u> </u>
	Preformed Joint Filler	M153 or M213	Certification	10"	QPL-20		Stock	Sample in accordance with SOP-17
	Hot Pour Joint	Penetration GDT-62						
	Sealers	Flow GDT-62	1		Pre-inspected by			
		Resilience GDT-62	Certification	1 kit	Central Lab; 1		Stock	
		Bond GDT-62	7		sample per shipment		•	
		Compatibility GDT-62	7				•	
	Elastomeric	Cone Penetration GDT-15			Pre-inspected by			
	Polymer Type Solul	Solubility GDT-15	1		Central Lab &		1	
	Joint Compound	Resilience GDT-15	Certification	1 kit	Certified Mill Test		Stock	
	Compound	Flow GDT-15	Certification		Report; 1 sample per shipment		1	
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					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Bond GDT-15						
	Preformed Elastic Joint Sealer	Tensile Strength ASTM D412						
	Sealei	Elongation at Break ASTM D412						
		Hardness ASTM D2240			Pre-inspected by			
		Oven Aging ASTM D573			Central Lab &			
		Oil Swell ASTM D471	Certification	36"	Certified Mill Test		Stock	
		Ozone Resistance ASTM D1149			Report; 1 sample per shipment			
		Joint Sealer Recovery GDT-47						
		Compression/Deflection GDT- 70						
	Water-Blown Urethane Joint Filler	Specification 833.05	Certification		Certified Mill Test Report			
	Silicone	Tensile Stress ASTM D412						
	Sealant	Hardness ASTM D2240			-			
		Bond <i>GDT-106</i>						
		Tack Free Time GDT-106	_		=			
		Extrusion GDT-106			QPL-66 <u>or</u> 1 sample			
		Non-Volatile <i>GDT-106</i>	Certification		per batch, per Type		Stock	
		Specific Gravity ASTM D792						
		Adhesion GDT-106						
		Resistance ASTM C793			-			
	Bond Breakers	Density ASTM D1622						
	–Rods	Tensile Strength ASTM D1623			Pre-inspected by Central Lab &			
			Certification	6 ft	Certified Mill Test		Stock	
		Water Absorption ASTM C1061			Report; 1 sample per shipment			
	Bond Breakers -Tape	Thickness	Certification		Certified Mill Test Report			
	Neoprene for Bridge Deck Joint Seal	Specification 833.07	Certification		Certified Mill Test Report			

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Ethylene Propylene Diene Monomer for Bridge Deck Joint Seals	Specification 833.08	Certification		Certified Mill Test Report			
	Polyurethane	Hardness <i>ASTM D2240</i>						
	Sealant for Inductive Loops	Tensile Strength ASTM D412						
	·	Elongation ASTM D412	Certification		QPL-75			
		Flexibility						
		Weather Resistance ASTM D822						
	Preformed Foam Joint Filler	Specification 833.10	Certification		Certified Mill Test Report			
	Concrete	Strength GDT-35 & T22	DOT-319	2 cylinders	See NOTE 1		During placement operation	Cylinders to be tested in Branch or Central Lab
!		NOTE 1: One set per each 75 yd yd³ or fraction thereof placed dail	d ³ or fraction there y.	eof placed daily, e	except for Concrete barrie	er placed with slip form e	quipment. Two cylinders sh	nall be fabricated for each 150
		Air GDT-26 or GDT-32						
		Slump GDT-27		See NOTE 2			During placement operation	
		Mix Temperature GDT-122		1			1	
		NOTE 2: Air, Slump & Mix Temp	erature tests are	required when cy	linders are made & as ju	dged necessary to insure	adequate control.	
622								
PRECAST TEMPORARY BARRIER	Complete Unit		Certification		QPL-9, Plant Shippin Official P	g Report (OMR-122) & lant Stamp		
DARRIER	Portland	Air Content T137						
	Cement	Fineness <i>M85</i>						
		Autoclave <i>M85</i>	DOT-175		QPL-3			
		Compressive Strength M85	DO1-175		QPL-3			
		Vicat T131						
		Chemical M85						
	Portland	Air Content T137						
	Pozzolan Cement	Fineness M240						
	Cement	Autoclave M240	DOT 475	40 15-	ODI 20	One per Quarter, per	Ctarle	
		Compressive Strength M240	DOT-175	10 lbs.	QPL-30	Source, per District	Stock	
		Vicat T131	7					
		Chemical <i>M240</i>	7					

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Fly Ash	Physical & Chemical ASTM C311 Fineness M295						
			4			One per Quarter, per		
		Activity M295	DOT-175	10 lbs.	QPL-30 Source, per District	Stock		
		Soundness <i>M295</i>				,,,		
		Density M295						
		Chemical <i>M295</i>						
	Fine Aggregate	Gradation 727						
		Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse Aggregate	Wash 200 T11	-					
	Aggregate	Gradation 727	DOT-658	45 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Water	Quality of Water to be Used in Concrete 726	DOT-088	1 qt.*	One per unpotable Source, per month		Enough in advance so that results are known before use	*non-metal container
	Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete <i>M154</i>	Certification	1 qt.	QPL-13	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Chemical Admixtures	Chemical Admixtures for Concrete <i>M194</i>	Certification	1 qt.	QPL-14	One per 6 months, per Source, per District		
	Steel Bars for	Number <i>M31M</i>	T					
	Reinforcement \(\frac{1}{1}\)	Weight M31M	1	1 pc @ 24"	QPL-12 & QPL-61	Random sampling at	Supplier,Fabricator or	
		Dimensions <i>M31M</i>	DOT-166	per size	w/Certified Mill Test	Fabricator	Jobsite storage	
		Deformation Spacing M31M	1		Reports.	Fabilicatul	Jobsite storage	
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TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Height & Gap <i>M31M</i>						
		Tensile Strength T244						
		Yield Strength T244						
		Elongation <i>T244</i>						
		Bend Test T285						
		Chemical M31M						
	Misc. Hardware		Certification		Accepted by Project Personnel based on Visual Inspection		Stock	
	Concrete	Strength <i>GDT-35 & T22</i>	DOT-319	2 cylinders	One set for each day's placement		During pouring operation	A sufficient number of cylinders shall be fabricated for determination of handling & shipping requirements
		Air Content GDT-35			Air, Slump & Mix			
		Slump GDT-27			Temperature tests			
		Mix Temperature GDT-122			are made as judged necessary to insure			
					adequate control			
623								
PNEUMATICALLY APPLIED	Concrete Struct		ı	I.	Ī	1	I	1
CONCRETE	Portland Cement	Air Content T137						
		Fineness M85						
		Autoclave M85	DOT-175	10 lbs.	QPL-3	One per Quarter, per	Stock	
		Compressive Strength <i>M85</i>				Source, per District		
		Vicat T131 Chemical M85	_					
	Dtll							
	Portland Pozzolan	Air Content T137 Fineness M240						
	Cement							
		Autoclave M240	DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District	Stock	
		Compressive Strength M240				Source, per District		
		Vicat T131						
	Th. Ash	Chemical M240						
	Fly Ash	Physical & Chemical ASTM C311						
		Fineness <i>M295</i>						
		Activity M295	DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District	Stock	
		Soundness M295				Jource, per District		
		Density M295						
		Chemical M295						
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					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Coarse	Wash 200 T11	Порол		710021 771102	7.0001.0.010	3. 37 mm 2m v3	Tt2IIII II II I
	Aggregate	Gradation 727	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.	Stock or Conveyor Belt	
	Fine Aggregate	Gradation T27						
		Sand Equivalent GDT-63				QPL-1 Sources, 1		
		Wash 200 T11	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered form Section D Sources.	Stock or Conveyor Belt	
	Water	Quality of Water to be Used in Concrete 726	DOT-088	1 qt.*	One per unpotable Source, per month		Enough in advance so that results are known before use	*non-metal container
	Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete M154	Certification	1 qt.	QPL-13	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Chemical Admixtures	Chemical Admixtures for Concrete M194	Certification	1 qt.	QPL-14	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Deck Oil		Certification	1 qt.	QPL-23	None	Stock	
	Steel Bars for	Number <i>M31M</i>						
	Reinforcement	Weight M31M	1					
		Dimensions <i>M31M</i>						
		Deformation Spacing M31M	1					
		Height & Gap <i>M31M</i>	DOT 100	1 pc @ 24"	QPL-12 & QPL-61	Random sampling at	Supplier,Fabricator or	
		Tensile Strength T244	DOT-166	per size	w/Certified Mill Test Reports.	Fabricator	Jobsite storage	
		Yield Strength T244						
		Elongation T244	7					
		Bend Test T285						
		Chemical M31M						

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Steel Wire for	Size <i>M32M</i>						
	Reinforcement	Diameter M32M						
		Area M32M		4 0 0 4 "	O CC INCIT			
		Tensile Strength T244	Certification	1 pc @ 24" per size/dia	Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Yield Strength T244					producer stock	
		Area Reduction T244						
		Bend Test M32M						
	Welded Steel	Size M55M						
	Wire Fabric for Reinforcement	Diameter <i>M55M</i>						
	Remiorcement	Area <i>M55M</i>						
		Tensile Strength T244						
		Yield Strength T244			ODI 55/Contition			
		Area Reduction T244	Certification	2' X 2'	QPL-55 w/Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Bend Test M55M			Willi Test Keport		producer stock	
		Weld Shear Strength <i>M55M</i>						
		Width <i>M55M</i>						
		Length <i>M55M</i>						
		Spacing <i>M55M</i>						
	Permanent Steel Bridge Deck Forms	ASTM A446 & ASTM A525	Certification		Certified Mill Test Report			
	Dowel Bars	Number <i>M31M</i>						
		Weight <i>M31M</i>	_					-
		Dimensions <i>M31M</i>	-					1
		Deformation Spacing M31M*						
		Height & Gap <i>M31M</i> *			QPL-43 w/Certified			-
		Tensile Strength T244	DOT-166A		Mill Test Report			*N/A for Plain Dowel Bars
		Yield Strength T244			1			
		Elongation T244						
		Bend Test T285	-					1
		Chemical M31M			-			
		Coating 853.08			_			
	Damproofing or Waterproofing Membrane	Specification Requirements <i>M115, M118 or M121</i>	Certification	1 qt.	One per Type, per Source		Before application	
	Curing Agent	Specification for Liquid Membrane Curing M148	DOT-168 Certification		QPL-16		Stock	

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Concrete	Compressive Strength GDT-35 & T22	DOT-319	2 cylinders	See NOTE 1		During placement operations	Cylinders to be broken in Branch or Central Lab
		NOTE 1: One set per each 50 yo Concrete cylinders shall be fabric structure to represent Concrete p	ated for each cur	nulative 50 yd ³ or	ed daily for each structure r fraction thereof, of Conc	e, except for Concrete us rete placed per week in e	ed in Bridge Curb, Handrail each structure. Cylinders sl	or Wall Coping. Two nall not be fabricated at one
		Air Content GDT-26 or GDT-32			When cylinders are		During placement	Additional Slump test will
		Slump GDT-27		See NOTE 2	made		operations	be required when Water is added on Project
		Mix Temperature GDT-122		-				
		NOTE 2: Air, Slump & Mix Temp recommended at least every third			cylinders are made & as	s judged necessary to ins	sure adequate controls. Add	litional tests are
	Concrete for Pipe Head-	Air Content GDT-26 & GDT-35		See NOTE			During placement	
	Walls, Spill- ways, Slope	Slump GDT-27					- operation	
	Structures, Highway Light, Fence							
	Silicone	Tensile Stress ASTM D412		T				
	Sealant	Durometer ASTM D2240			=			
		Bond <i>GDT-106</i>			=			
		Tack Free Time GDT-106						
		Extrusion GDT-106]		0.00			
		Non-Volatile GDT-106	Certification		- QPL-66			
		Specific Gravity ASTM D792						
		Adhesion GDT-106	1		-			
		Resistance ASTM C793	-					
	Epoxy	Pot Life <i>GDT-58</i>	1	<u> </u>				
	Adhesive	Bond Strength <i>GDT-58</i>	1				-	
		Shelf Life	-		ODI 15 or 1 comple		-	
		Viscosity ASTM D1084	Certification	1 kit	QPL-15 <u>or</u> 1 sample, per batch, per Type		Stock	
		Specific Gravity		. r	, , , , , , , , , , , , , , , , , , , ,		-	
		Condition					-	
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					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
CONCINCOTION	Graffiti-Proof Coating	Taine a Pansor	Certification	O7 IIVII EE	QPL-42	7,00017,1102	31 37 WH 21143	TEIW WITE
		M450 M040	0	40.	ODL 00		011	
	Preformed Joint Filler	M153 or M213	Certification	10 in.	QPL-20		Stock	Sample in accordance with SOP-17
	Hot Poured	Penetration GDT-62						
	Joint Sealer	Flow GDT-62			Pre-inspected by			
		Resilience GDT-62	Certification	1 kit	Central Lab; 1 sample per shipment		Stock	
		Bond GDT-62						
		Compatibility GDT-62						
	Elastomeric	Cone Penetration GDT-15						
	Polymer Type Joint	Solubility GDT-15			Pre-inspected by Central Lab &			
	Compound	Resilience GDT-15	Certification	1 kit	Certified Mill Test Report; 1 sample per shipment		Stock	
		Flow GDT-15						
		Bond GDT-15						
	Portland	Air Content T137						
	Cement	Fineness M85	DOT-175		OPI o			
		Autoclave M85						
		Compressive Strength M85			QPL-3			
		Vicat 7131						
		Chemical <i>M85</i>			1			
	Fine Aggregate	Gradation 727						
		Sand Equivalent <i>GDT-63</i>	DOT-658		One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11						
	Aggregate	Gradation 727	DOT-658		One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		

					GUIDE FR	EQUENCY		
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	LOCATION OR TIME	
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	OF SAMPLING	REMARKS
	Welded Steel Wire for	Size <i>M55M</i>						
	Reinforcement	Diameter M55M						
		Area M55M						
		Tensile Strength T244		2' X 2'	QPL-55 w/Certified Mill Test Report			
		Yield Strength T244					Jobsite storage and/or producer stock	
		Area Reduction T244	Certification			Random sampling		
		Bend Test <i>M55M</i>					producer stock	
		Weld Shear Strength M55M						
		Width <i>M55M</i>						
		Length <i>M55M</i>						
		Spacing <i>M55M</i>						
624			_L	.L	. L	L	L	
SOUND BARRIERS	Concrete Masor	nry Units						
		Moisture Content ASTM C90						
		Compressive Strength ASTM C90						
		Water Absorption ASTM C90	0 - 1111 - 111 - 11					
		Water Absorption ASTIN C90	Certification					
		ASTM C129	-	5 blocks	One set per 25,000		Stock	
		A01111 0123		O DIOOKS	blocks, per size, per		Otook	
					Source			
	Portland	Air Content T137						
	Cement	Fineness <i>M85</i>	=					
		Autoclave M85	-					
		Compressive Strength <i>M85</i>	DOT-175		QPL-3			
		Vicat 7131	-					
		Chemical <i>M85</i>	-					
	Fine Aggregate	Gradation 727						
	i iio / iggrogato	Sand Equivalent <i>GDT-63</i>	-			QPL-1 Sources, 1		
		cara Equitation (C2) CC	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11	DOT-658	45 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Aggregates	Gradation 727			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Steel Panels	Thickness ASTM A446						
		Yield Strength T244			_			
		Tensile Strength T244						
		Elongation T244			Certified Mill Test			
		Chemical ASTM A653	Certification		Report			
		Galvanization ASTM A653						
		Bend Test ASTM A653						
		Flatness ASTM A653	-					
	Steel Posts	ASTM A36	Certification		Pre-inspected by Office of Materials & GDT stamped			
	Precast Concre	lte Panels	L					L
	Portland	Air Content T137	İ	1		ĺ		
	Cement	Fineness <i>M85</i>						
		Autoclave M85						
		Compressive Strength <i>M85</i>	DOT-175		QPL-3			
		Vicat T131						
		Chemical <i>M85</i>						
	Fine Aggregate	Gradation <i>T27</i>						
		Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Aggregate	Gradation 727			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Steel Bars for	Number <i>M31M</i>						
	Reinforcement	Weight <i>M31M</i>	-					
		Dimensions <i>M31M</i>						
		Deformation Spacing <i>M31M</i>	-					
		Height & Gap <i>M31M</i>		1 pc @ 24"	QPL-12 & QPL-61	Random sampling at	Supplier,Fabricator or	
		Tensile Strength T244	DOT-166	per size	w/Certified Mill Test Reports.	Fabricator	Jobsite storage	
		Yield Strength T244	1		Reports.			
		Elongation <i>T244</i>						
		Bend Test T285	-					
		Chemical <i>M31M</i>						
	Steel Wire for Size M32M	Size <i>M32M</i>						
	Reinforcement	Diameter M32M				Random sampling	Jobsite storage and/or producer stock	
		Area <i>M32M</i>	1					
		Tensile Strength T244	Certification	1 pc @ 24"	Certified Mill Test			
		Yield Strength T244	1	per size/dia	Report			
		Area Reduction T244						
		Bend Test M32M						
	Galvanized	Thickness				L		
	Steel Piling	Dimensions						
		Chemical						
		Tensile Strength T244						
		Yield Strength T244			1			
		Elongation <i>T244</i>	Certification		QPL-44 & pre-inspecte with GDT stamp	ed by Office of Materials		
		Weight			with ODT stamp			
		Certification						
		Charpy ASTM E23						
		Hardness						
		Galvanization <i>M111</i>						
	Weathering	Thickness						
	Steel Piling	Dimensions	Certification		QPL-44 w/Certified Mil	l Test Report		
		Chemical ASTM A588						
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					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Tensile Strength T244						
		Yield Strength T244						
		Elongation T244						
		Weight						
		Certification						
		Charpy ASTM E23						
	Elastomeric	Hardness ASTM D2240						
	Bearing Pads	Tensile Strength ASTM D412						
		Elongation ASTM D412						
		Heat Resistance ASTM D573						
		Compression Set ASTM D395	Certification		Certified Mill Test Rep	ort		
		Brittleness ASTM D746			1			
		Dimensions			1			
		Laminate Thickness			1			
		Tensile Strength M183						
		Yield Strength M183			1			
		Elongation M183						
	Treated Timber		- k	L				L
	Portland	Air Content T137						
	Cement	Fineness <i>M85</i>						
		Autoclave <i>M85</i>	DOT 475					
		Compressive Strength M85	DOT-175					
		Vicat 7131						
		Chemical <i>M85</i>						
	Fine Aggregate	Gradation 727						
		Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Aggregate	Gradation 727			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Treated Timber	Certification	Certification			thorized agency with stamp		
	Bolts & Washers	Certification	Certification		Certified Mill Test Report			
	Pile	Certification	Certification					
	Masonry Coated	Polystyrene Panels						
		As Specified	Certification		Certified Mill Test Report & inspected by Central Lab Personnel			
	Welded Steel	Size <i>M55M</i>						
	Wire Fabric for	Diameter <i>M55M</i>						
	Reinforcement	Area M55M						
		Tensile Strength T244						
		Yield Strength T244						
		Area Reduction T244	Certification	2' X 2'	QPL-55 w/Certified	Random sampling	Jobsite storage and/or	
		Bend Test <i>M55M</i>			Mill Test Report		producer stock	
		Weld Shear Strength M55M						
		Width <i>M55M</i>	_					
		Length <i>M55M</i>						
		Spacing <i>M55M</i>						
	Foam	Density						
		Thickness	Certification					
	Portland	Air Content T137						
	Cement	Fineness <i>M85</i>			1			
		Autoclave M85	DOT 175		0.00			
		Compressive Strength M85	DOT-175		QPL-3			
		Vicat 7131			1			
		Chemical <i>M85</i>			1			
	Fine Aggregate	Gradation T27	DOT-658	20 lbs.	One per 500 tons	QPL-1 Sources, 1		
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					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Sand Equivalent <i>GDT-63</i>			based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Protective Color Coating	As Specified	Certification	1 gal.	QPL-17			
	Other Wall Types	Certification	Certification					
626								
MECHANICALLY	Reinforcing	Charpy ASTM E23						
STABILIZED EMBANKMENT	Strips	Dimensions						
RETAINING WALLS		Yield Strength ASTM A709						
		Tensile Strength ASTM A709	Certification		Constinut Mill Took Dono			
		Elongation ASTM A709	Certification		Certified Mill Test Repo	Ort		
		Reduction of Area ASTM A709						
		Hardness ASTM A709	-		-			
		Chemical ASTM A709						
	Reinforcing	Size ASTM A185						
	Mesh	Diameter ASTM A185			4			
		Area ASTM A185			4			
		Tensile Strength T244 Yield Strength T244			-			
		Area Reduction T244			-			
		Bend Test ASTM A185	Certification		Certified Mill Test Repo	ort		
		Weld Shear Strength ASTM			-			
		A185						
		Width ASTM A185						
		Length ASTM A185						
		Spacing ASTM A185						
	Connecting Devices	As Specified	Certification		Certified Mill Test Repo	ort		Independent Assurance: sample occasionally
	Fasteners	Chemical ASTM A325	Certification					
	Fasteners	Chemical ASTM A325	Certification					

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Yield Strength ASTM A325						
		Tensile Strength ASTM A325						
		Elongation ASTM A325						
		Reduction of Area ASTM A325	_					
		Reduction of Area ASTM A323						
		Hardness ASTM A325						
		Length	_					
		Diameter						
		Thread Class						
		Galvanization ASTM A153						
	Attachments	Size ASTM A82						
		Diameter ASTM A82						
		Area ASTM A82						
		Tensile Strength T244	Certification		Certified Mill Test Repo	ort		
		Yield Strength T244			Columba IIIII 1860 Nopol			
		Area Reduction <i>T244</i> Bend Test <i>ASTM A82</i>						
		Galvanization ASTM A123	<u> </u>		_			
	Concrete	Galvanization AGTM A123	<u> </u>	<u> </u>	<u> </u>		<u> </u>	
		Compressive Strength <i>GDT-35</i> & <i>T22</i>	DOT-319	2 cylinders			During placement operations	Cylinders to be broken in Branch or Central Lab
	Portland	Air Content T137						
	Cement	Fineness <i>M85</i>						
		Autoclave M85	DOT-175		QPL-3			
		Compressive Strength M85	001-1/5		QPL-3			
		Vicat 7131						
		Chemical M85						
	Fine Aggregate	Gradation 727						
		Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Aggregate	Gradation 727			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Joint Fillers							
	Plastic Filter Fabric - Woven	Tensile Strength ASTM D4632						
		Bursting Strength ASTM D3786	Certification		QPL-28			
		Elongation ASTM D4632			-			
		Percent Open Area GDT-88						
	Plastic Filter Fabric – Non-Woven	Puncture Resistance ASTM D4833						
	Non-woven	Grab Tensile Strength ASTM D4632	Certification		QPL-28			
		Grab Elongation ASTM 4632						
		Flowrate GDT-87						
	Bearing Pads	Dimensions	Certification					
	<u>-</u>	Hardness ASTM D2240						
	Granular Backfill	Physical & Chemical Analysis As Specified	DOT-658		Approved by Central Lab Personnel		Prior to use	Requires approval by Pit & Quarry
	Coating for Soil Reinforcing Devices	Determination of Zinc Coating Thickness Gauge <i>GDT-82</i>	Certification					*Marginal failing results from Thickness Gauge, submit sample for further analysis. Sampled by Independent Assurance Personnel.
		Epoxy Coated Systems						Sample in accordance with SOP-17
	Wall Panels				QPL-9, Plant Shippino Official Pl	g Report (OMR-122) & ant Stamp		
633								

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
MODIFICATION OF EXISTING SIGNS	Signs	Certification DOT-72 QPL-80 w/sign producers approval decal on back of sign			OF GAIVII EING	KEMARKO		
	Aluminum Sign	Chemical ASTM B209						
	Blanks	Thickness	1 1		1			
		Dimensions	1		1			
		Shape	1					
		Tensile Strength T244	1					
		Yield Strength T244	T		Certified Mill Test			
		Elongation T244	- Certification -		Report			
		Bend Diameter Factor ASTM B209						
		Hardness ASTM B241	1		=			
		Shear Strength ASTM B565						
	Extruded Alumi	num Sign Panels	LL		1	<u> </u>	LL.	
		Chemical ASTM B221	Certification					
		Thickness			=			
		Dimensions			1			
		Tensile Strength ASTM B557			Certified Mill Test			
		Yield Strength ASTM B557			Report			
		Elongation ASTM B557	1		-			
		Shape	1		=			
	Accessories	Chemical						
		Length	1					
		Thread Grade	1					
		Yield Strength T244	Certification		Certified Mill Test			
		Tensile Strength T244	Certification		Report			
		Elongation T244						
		Reduction of Area T244						
	Reflective	Hardness						
		Specific Intensity M268						
	Sheeting	Weatherometer ASTM G23	Certification		QPL-29			
		Color M268						
	Silk Screen	Color	Certification		Certified Mill Test			
	Paint	Dry Time	23.13411011		Report			

					GUIDE FR	REQUENCY		
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	LOCATION OR TIME	
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	OF SAMPLING	REMARKS
		Certification						
	Steel Sign Posts	Thickness Section 911.01						
	FUSIS	Dimensions Section 911.01						
		Chemical Section 911.01						
		Tensile Strength T244						
		Yield Strength T244						
		Elongation T244	Certification		QPL-35			
		Weight Section 911.01			4. 2 00			
		Certification						
		Hardness ASTM A370						
		Galvanization Section 911.01						
		Bolt Hole Size & Spacing Section 911.01						
	Structural Shape Post	Charpy ASTM E23						
	Yield Strength <i>T244</i> Tensile Strength <i>T244</i> Elongation <i>T244</i>							
					QPL-59 & pre-inspected by Office of Materia			
		_	Certification		& GDT stamped	ed by Office of Materials		
		Reduction of Area T244						
		Hardness ASTM A370						
		Chemical ASTM A709						
		Galvanization ASTM A123						
	Aluminum	Chemical ASTM B221						
	Delineator Post	Thickness As Specified						
		Dimensions As Specified						
		Tensile Strength ASTM B557						
			Certification		Certified Mill Test			
		Yield Strength ASTM B557	Certification		Report			
		Elongation ASTM B557						
		Bolt Hole Size & Spacing Section 911.04.B.2						
	Wood	Dimensions				_L		
	Delineator Post Grade Preservative Treatment	 		QPL-50 & pre-inspecte	ed by Authorized			
			Certification		Agency with AWW sta	mp		
		Certification	1		1 -			
	Flexible Delineator Post	Dimensions Section 911.04.D	Certification		QPL-69			

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
CONCINCOTION	WINTERNAL	NTPEP Certification Section	Корот	O/ tivii LL	NOOLI INITOL	7100011/11/02	OT OTHER ENTE	TENII ITTO
		911.04.D						
		Impact Test Section 911.04.D						
	Steel Posts &	Chemical ASTM A53				<u> </u>		
	Arms for Mast	Yield Strength T244	-					
	Arm Assembly	Tensile Strength T244	1					
		Elongation T244	-					
		Bending ASTM A53			1			
		Flattening ASTM A53			1			
		Non-Destructive Electric Test ASTM A53	Certification		QPL-52 & pre-inspecte & GDT stamped	ed by Office of Materials		
		Weight	-					
		Diameter	1		=			
		Thickness	-					
		Finish	- 					
		Appearance			1			
	Steel Bolts, Nuts & Washers	Specification Requirements	Certification				Stock	
		Chemical ASTM F568						
		Yield Strength ASTM F606			Certified Mill Test			
		Tensile Strength ASTM F606						
		Elongation ASTM F606						
		Reduction of Area ASTM F606	Certification					
		Hardness ASTM F606	Certification		Report			
		Length	-					
		Diameter	-		1			
		Thread Class	1		=			
		Galvanization ASTM A90 or ASTM E376						
	Guy Wires	Diameter ASTM A475						
	-	Number of Wires ASTM A475	-					
		Weight ASTM A475	 		-			
	E	Breaking Strength ASTM A475	Certification		QPL-72			
		Elongation ASTM A475	-		_			
		Galvanization ASTM A475]					
		Ductility ASTM A475						
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					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Center Mount Reflector	Seal Test Section 916 Heat Resistance Section 916 Specific Intensity Section 916	Certification	50 of ea. color	QPL-83			
	Demountable Reflective Characters	Chemical Thickness Dimensions						
	-	Shape Tensile Strength T244 Yield Strength T244 Elongation T244 Bend Diameter Factor ASTM	Certification		QPL-80			
	Piling	B209 Hardness ASTM B241 Shear Strength ASTM B565						
	Prestressed Concrete		Certification		QPL-9, Plant Shipping Report (OMR-122) & Official Plant Stamp; Visual Inspection by Project Personnel			
	Treated Timber Piles	Certification	Certification		QPL-50, pre- inspected by Authorized Agency & AWW Stamp			
	Preservative Treatment	Certification	Certification		QPL-50 & pre- inspected by Authorized Agency			
	Aluminum Powder	Fineness ASTM D480	Certification					
	Self- Lubricating Bronze Bearing & Expansion Plates & Bushings	Certification	Certification		Certified Mill Test Report			

					GUIDE FR	EQUENCY		
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	LOCATION OR TIME	
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	OF SAMPLING	REMARKS
	Paint	Pigment ASTM D2371						
		Non-Volatile Vehicle						
		Grind						
		Viscosity ASTM D562						
		Dry Time ASTM D711	Certification	1 at	Approved by Office of	Motoriolo		
		Percent Volatile	Certification	1 qt.	Approved by Office of	iviateriais		
		Weight per Gallon ASTM D1475						
		Color	1					
		Certification						
	Welded &	Thickness						
	Seamless	Chemical ASTM A252						
	Steel Pile	Tensile Strength T244						
		Yield Strength T244			QPL-44 & Certified			
		Elongation T244	Certification		Mill Test Report			
		Diameter	-					
		Weight						
		Certification						
	Fluted Steel	Thickness						
	Shell Pile	Diameter	1		QPL-44 & Certified Mill Test Report			
		Yield Strength T244	Certification					
		Certification	1					
	Steel H-Pile	Charpy ASTM E23						
		Thickness	1					
		Yield Strength ASTM A370			-			
		Tensile Strength ASTM A370			_			
		Elongation ASTM A370	Certification		QPL-44 & Certified Mill Test Report			
		Reduction of Area ASTM A370	-		Willi Test Report			
		Hardness ASTM A370						
		Chemical ASTM A709						
		Certification	_					
	Steel Bolts, Nuts & Yield Strength ASTM F606 Yield Strength ASTM F606							
		Yield Strength ASTM F606						
		Tensile Strength ASTM F606	Certification		Certified Mill Test Report			
		Elongation ASTM F606			-			

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Reduction of Area ASTM F606						
		Llaudana ACTM FCOC	4		_			
		Hardness ASTM F606	4		_			
		Length Diameter	4		_			
		Thread Class	4		_			
		Galvanization ASTM A90 or	4		_			
		ASTM E376						
	Aluminum Alloy	Chemical						
	Sheet & Plate	Thickness						
		Dimensions						
		Tensile Strength T244						
		Yield Strength T244						
		Elongation T244	Certification		Certified Mill Test Report			
		Bend Diameter Factor ASTM B209			- Roport			
		Hardness ASTM B241			-			
		Shear Strength ASTM B565						
	<u> </u>	Compressive Strength 722	DOT-319	2 cylinders			During placement operations	Cylinders to be broken in Branch or Central Lab
	Portland	Air Content T137						
	Cement	Fineness <i>M85</i>	-		-			
		Autoclave M85	1					
		Compressive Strength M85	DOT-175		QPL-3			
		Vicat 7131	1		1			
		Chemical <i>M85</i>	1					
	Fine Aggregate	Gradation 727			-			
		Sand Equivalent <i>GDT-63</i>	†			QPL-1 Sources, 1		
			DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Aggregate	Gradation 727			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Paints	Pigment ASTM D2371						
		Non-Volatile Vehicle						
		Grind						
		Viscosity ASTM D562						
		Dry Time ASTM D711		_				
		Percent Volatile	Certification	1 qt.	Approved by Of	ffice of Materials		
		Weight per Gallon ASTM D1475						
		Color						
		Certification						
634								
MONUMENTS & ROAD MARKERS	Concrete Right-of-way Markers	Certification	Certification		QPL-4 with CPT stamp or pre- inspected by Office of Materials with GDT stamp			
	Concrete		L		·L	L	L	L
		Compressive Strength 722	DOT-319	2 cylinders			During placement operations	Cylinders to be broken in Branch or Central Lab
	Portland	Air Content T137						
	Cement	Fineness <i>M85</i>			1			
		Autoclave <i>M85</i>	DOT 475					
		Compressive Strength M85	DOT-175		- QPL-3			
	Vicat 7131			1				
		Chemical <i>M85</i>						
	Fine Aggregate	Gradation 727	DOT-658	20 lbs.	One per 500 tons	QPL-1 Sources, 1		

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Sand Equivalent <i>GDT-63</i>			based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11						
	Aggregate	Gradation 727	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Steel Bars for Reinforcement	Number M31M						
	rtomiorocinori	Weight <i>M31M</i> Dimensions <i>M31M</i>	-					
		Deformation Spacing M31M	-					
		Height & Gap <i>M31M</i>	-	1 ~ @ 24"	QPL-12 & QPL-61	Dandom compling of	Cumplion Fabricator or	
		Tensile Strength T244	DOT-166	1 pc @ 24" per size	w/Certified Mill Test Reports.	Random sampling at Fabricator	Supplier,Fabricator or Jobsite storage	
		Yield Strength T244	-		Reports.			
		Elongation T244]					
		Bend Test 7285						
	Plates &	Chemical M31M			Job inspected (no			
	Arrows, etc.				sample or report required)			
635								
BARRICADES	Lumber & Posts							
	Lumber & Timber	Certification	Certification			AWW stamp		
	Preservative Treatment	Certification	Certification		QPL-50 & pre-inspected by Authorized Agency			
	Paints	Pigment ASTM D2371	Certification	1 qt.	Approved by Of	fice of Materials		

					GUIDE FREQUENCY			
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	LOCATION OR TIME	
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	OF SAMPLING	REMARKS
		Non-Volatile Vehicle						
		Grind						
		Viscosity ASTM D562						
		Dry Time ASTM D711						
		Percent Volatile						
		Weight per Gallon ASTM D1475						
		Color						
		Certification						
	Reflective	Specific Intensity M268						
	Sheeting	Weatherometer ASTM G23	Certification		QPL-29			
		Color <i>M268</i>						
636								
HIGHWAY SIGNS	Signs	Certification	DOT-72		QPL-80 w/sign produce back of sign	ers approval decal on		
	Aluminum Sign	Chemical ASTM B209						
	Blanks	Thickness]			
		Dimensions			1			
		Shape						
		Tensile Strength T244						
		Yield Strength T244			Certified Mill Test			
		Elongation T244	Certification		Report			
		Bend Diameter Factor ASTM B209						
		Hardness ASTM B241			-			
		Shear Strength ASTM B565	-		1			
		onsai suongar norm 2000						
	Extruded Alumi	num Sign Panels						
		Chemical ASTM B221						
		Thickness]			
		Dimensions						
		Tensile Strength ASTM B557	Certification		Certified Mill Test Report			
		Yield Strength ASTM B557			·			
		Elongation ASTM B557			-			

					GUIDE FF	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
CONCINCONON	W C L C C	Shape	Roport	07 WH EE	710021 1711102	710001011102	Or Or are Ento	TILIW UTC
	Accessories	Chemical						
		Length			_			
		Thread Grade						
		Yield Strength T244			Certified Mill Test			
		Tensile Strength T244	Certification		Report			
		Elongation T244						
		Reduction of Area T244	-					
		Hardness						
	Reflective	Specific Intensity M268						
	Sheeting	Weatherometer ASTM G23	Certification		QPL-29			
		Color M268	1		-			
	Silk Screen	Color	Certification		Certified Mill Test			
	Paint	Dry Time			Report			
		Certification			_			
	Steel Sign	Thickness Section 911.01						
	Posts	Dimensions Section 911.01						
		Chemical Section 911.01						
		Tensile Strength T244						
		Yield Strength T244		QPL-3				
		Elongation T244	Certification		QPL-35			
		Weight Section 911.01						
		Certification						
		Hardness ASTM A370						
		Galvanization Section 911.01						
		Bolt Hole Size & Spacing	-					
		Section 911.01						
	Structural	Charpy ASTM E23				. L		
	Shape Post	Thickness						
		Yield Strength T244						
		Tensile Strength T244	-		_			
		Elongation T244	Certification		QPL-59 & pre-inspecte	ed by Office of Materials		
		Reduction of Area T244	-		& GDT stamped			
	H	Hardness ASTM A370	-		_			
		Chemical ASTM A709			_			
		Galvanization ASTM A123	† †					
	Aluminum	Chemical ASTM B221	<u> </u>		Certified Mill Test			
	Delineator Post	Thickness As Specified	Certification		Report			

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Dimensions As Specified						
		Tensile Strength ASTM B557						
		Yield Strength ASTM B557						
		Elongation ASTM B557			1			
		Bolt Hole Size & Spacing Section 911.04.B.2			-			
	Wood	Dimensions				L		
	Delineator Post	Grade	-		QPL-50 & pre-inspecte	d by Authorized		
		Preservative Treatment	Certification		Agency with AWW star	np		
		Certification	1		=			
	Flexible Delineator Post	Dimensions Section 911.04.D						
		NTPEP Certification Section 911.04.D	Certification		QPL-69			
	Steel Posts & 0	Impact Test Section 911.04.D			-			
		Chemical ASTM A53	-			L		
		Yield Strength T244						
	Ann Assembly	Tensile Strength T244			1			
		Elongation T244						
		Bending ASTM A53						
		Flattening ASTM A53			1			
		Non-Destructive Electric Test ASTM A53	Certification		QPL-52 & pre-inspecte & GDT stamped	d by Office of Materials		
		Weight	-		=			
		Diameter			=			
		Thickness			=			
		Finish						
		Appearance	-		=			
	Misc. Fittings	Specification Requirements					Stock	
	Steel Bolts,	Chemical ASTM F568						
	Nuts &	Yield Strength ASTM F606						
	Washers	Tensile Strength ASTM F606						
			Certification		Certified Mill Test			
		Elongation ASTM F606	Certification		Report			
		Reduction of Area ASTM F606						
		Hardness ASTM F606	1		1			

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
CONCINCOTION	IVII CI EI CII CE	Length	Корол	C/ WIN EE	710021 1711102	7100011711102	OT OTHER ENTO	TEND II (TO
		Diameter	_		_			
		Thread Class	_		_			
		Galvanization ASTM A90 or ASTM E376						
	Guy Wires	Diameter ASTM A475						
		Number of Wires ASTM A475						
		Weight ASTM A475	1		_			
		Breaking Strength ASTM A475	Certification		QPL-72			
		Elongation ASTM A475						
		Galvanization ASTM A475						
		Ductility ASTM A475						
	Center Mount	Seal Test Section 916				L		
	Reflector	Heat Resistance Section 916						
	_		Certification	50 of ea. color	QPL-83			
		Specific Intensity Section 916		COIOI				
	Demountable	Chemical						
	Reflective Characters	Thickness						
	Characters	Dimensions						
		Shape						
		Tensile Strength T244						
		Yield Strength T244	Certification		QPL-80			
		Elongation T244	Certification		- QPL-00			
		Bend Diameter Factor ASTM B209						
		Hardness ASTM B241						
		Shear Strength ASTM B565						
	Pilling Prestressed							
		İ	Certification	l	QPL-9, Plant	Ì	l I	
	Concrete		Certification		Shipping Report (OMR-122)& Official Plant Stamp; Visual Inspection by Project Personnel			

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
CONSTRUCTION	Treated Timber Piles	Certification	Certification	SAMELL	QPL-50, pre- inspected by Authorized Agency & AWW Stamp	ASSURANCE	OF SAME LING	KLIMAKKS
	Preservative Treatment	Certification	Certification		QPL-50 & Pre- inspected by Authorized Agency			
	Aluminum Powder	Fineness ASTM D480	Certification					
	Self- Lubricating Bronze Bearing & Expansion Plates & Bushings	Certification	Certification		Certified Mill Test Report			
	Paint	Pigment ASTM D2371	_			L		
		Non-Volatile Vehicle						
	-			1 qt.				
		Viscosity ASTM D562	Certification					
		Dry Time ASTM D711			Approved by Of	ffice of Motorials		
		Percent Volatile			Approved by Office of Materials			
		Weight per Gallon ASTM D1475						
		Color						
		Certification						
	Welded &	Thickness						
	Seamless	Chemical ASTM A252						
	Steel Pile	Tensile Strength T244						
		Yield Strength T244			QPL-44 & Certified			
		Elongation <i>T244</i>	Certification		Mill Test Report			
		Diameter			· ·			
		Weight						
		Certification						
	Fluted Steel Thickness Shell Pile Diameter Yield Strength T244							
					QPL-44 & Certified			
		Yield Strength T244	Certification		Mill Test Report			
		Certification			1			
	Steel H-Pile	Charpy ASTM E23			QPL-44 & Certified			
		Thickness	Certification		Mill Test Report			
1	L		L	l .		.L	1	

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Yield Strength ASTM A370						
		Tensile Strength ASTM A370						
		Elementian AOTM AOZO	_		_			
		Elongation ASTM A370 Reduction of Area ASTM A370	1					
		Reduction of Area ASTM A370						
		Hardness ASTM A370	_		_			
		Chemical ASTM A709	-		_			
		Certification			_			
	Steel Bolts,	Chemical ASTM F568						
	Nuts & Washers	Yield Strength ASTM F606			1			
	Washers	Tensile Strength ASTM F606						
		Elongation ASTM F606			Certified Mill Test Report			
		Reduction of Area ASTM F606	Certification					
		Hardness ASTM F606						
		Length						
		Diameter			1			
		Thread Class						
		Galvanization ASTM A90 or ASTM E376						
	Aluminum Alloy	Chemical	-					
	Sheet & Plate	Thickness						
		Dimensions			1			
		Tensile Strength T244						
		Yield Strength T244			Certified Mill Test			
		Elongation T244	Certification		Report			
		Bend Diameter Factor ASTM B209			·			
		Hardness ASTM B241						
		Shear Strength ASTM B565						
	Concrete	Air Content GDT-26 or GDT-32					During placement	
		Slump GDT-27	DOT-319	See Note			operations	
		Mix Temperature GDT-122						
		NOTE: Acceptance of Concrete for Temp. tests are performed as judgets.	or these items is ged necessary to	based upon resu insure adequate	ilts of Slup & Air Tests & t e control.	he properly documented	DOT-319. No cylinders are	required. Slump, Air & Mix
	Portland	Air Content 7137	DOT-175		QPL-3			
I .	L	L	1 -0	<u> </u>			1	

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Cement	Fineness <i>M85</i>						
		Autoclave M85			-			
		Compressive Strength M85			1			
		Vicat T131			1			
		Chemical <i>M85</i>						
	Fine Aggregate	Gradation 727						
		Sand Equivalent GDT-63	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	A	Wash 200 T11						
	Aggregate	Gradation 727	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Paints	Pigment ASTM D2371						
		Non-Volatile Vehicle						
		Grind						
		Viscosity ASTM D562						
		Dry Time ASTM D711	Certification	1 qt.	Approved by Of	fice of Materials		
		Percent Volatile	. Commonianon	. 4	7.55.0.00 2)	noo or materials		
		Weight per Gallon <i>ASTM D1475</i> Color						
			1					
		Certification						
637								

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7.65	'		DEDORT OU	0.75 05	COIDETT			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
ILLUMINATED	Signs	Certification	DOT-72	O/ 11/11 EE	QPL-80 w/sign produc		01 0/ WH 2H10	TEND UTTO
SIGN SYSTEM					back of sign			
	Lighting	Light Intensity			Notify Office of Mater	rials for night check of ntensity	After Installation	
					light ii	iterisity		
638								
STRUCTURAL	Structures	Certification	Certification		QPL-52 & pre-inspecte	ed by Office of Materials		
SUPPORTS FOR	o dota. oo				& GDT stamped	ou by omeo or materials		
OVERHEAD SIGNS								
	Steel Pipe	Chemical ASTM A53						
		Yield Strength T244	1					
		Tensile Strength T244] [
		Elongation T244						
		Bending ASTM A53						
		Flattening ASTM A53						
		Non-Destructive Electric Test ASTM A53	Certification		Certified Mill Test Report			
		Weight	1					
		Diameter	1					
		Thickness						
		Finish						
		Appearance	_					
		Galvanization ASTM A123						
	Steel Bolts, Nuts &	Chemical ASTM F568	_					
	Washers	Yield Strength ASTM F606	-		_			
		Tensile Strength ASTM F606						
		Elongation ASTM F606	-		_			
		Reduction of area ASTM F606	Contification		Certified Mill Test			
	Reduction of area	Troduction of area Activition	Certification		Report			
		Hardness ASTM F606	1		-			
		Length	1					
		Diameter]		-			
		Thread Class						

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
CONSTRUCTION	IVIATERIAL	Galvanization ASTM A90 or ASTM E376	кероп	SAMPLE	ACCEPTANCE	ASSURANCE	OF SAMIPLING	REWARRS
	Anchor Bolts	Grade M314						
		Yield strength T244	-					
		Tensile Strength T244	1					
		Elongation T244						
		Reduction of Area T244		1 bolt per				
		Thread Dimensions	Certification	diameter, per Heat Number,		ce of Materials & GDT nped.	Supplier	
		Size		per Project	Stair	ipeu.		
		Diameter						
		Length						
		Chemical <i>M314</i>]					
		Galvanization ASTM A153						
	Concrete	Compressive Strength GDT-35 & T22	DOT-319	2 cylinders	See NOTE 1		During placement operations	
		NOTE 1: One set per each 50 yd	of each Class of	Concrete placed	daily.			
		Air Content GDT-26 or GDT-32 Slump GDT-27 Mix Temperature GDT-122	DOT-319	See NOTE 2	When cylinders are made		During placement operations	Additional Slump tests will be required when Water is added on Project
		NOTE 2: Air, Slump & Mix Temp.	tests are all requ	ı ired when cylinde	ı ers are made & as judged	I d necessary to insure ade	equate controls.	
	Portland	Air Content T137	T	T				
	Cement	Fineness <i>M85</i>	1					
		Autoclave <i>M85</i>	1					
		Compressive Strength M85	DOT-175					
		Vicat T131						
		Chemical <i>M85</i>						
	Fine Aggregate	Gradation 727						
		Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Aggregate	Gradation 727			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Silicone Sealant	Tensile Strength ASTM D412						
		Durometer ASTM D2240						
		Bond <i>GDT-106</i>	1					
		Tack Free Time GDT-106	1					
		Extrusion GDT-106	Certification					
		Non-Volatile <i>GDT-106</i>	1					
		Specific Gravity ASTM D792						
		Adhesion <i>GDT-106</i>	1					
		Resistance ASTM C793	-					
	Reinforcement	M31M	DOT-166		QPL-12 & QPL-61 w/C	Lertified Mill Test Report		
639		_						
STRAIN POLE FOR OVERHEAD SIGN & SIGNAL ASSEMBLIES	Timber Poles	Retention of Preservative AWPA C14	Certification		QPL-50 & pre- inspected by Authorized Agency with AWW stamp on each end of pole			
	Guy Wires	Diameter ASTM A475						
		Number of Wires ASTM A475						
		Weight ASTM A475	-					
		Breaking Strength ASTM A475	Certification		QPL-72			
			Certification		QFL-12			
		Elongation ASTM A475						
		Galvanization ASTM A475						
		Ductility ASTM A475						
	Steel Poles	Charpy ASTM E23	Certification		QPL-52 & pre-inspecte	ed by Office of Materials		

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Thickness				stamped		
		Yield Strength ASTM A370						
		Tensile Strength ASTM A370						
		Elongation ASTM A370						
		Reduction of Area ASTM A370						
		Hardness ASTM A370						
		Chemical ASTM A709						
		Certification						
	Concrete Poles		Certification		QPL-9, Plant Shippine embedde	g Report (OMR-122) & d I.D. Plate		
	Concrete	L	<u> </u>	<u> </u>				L
	<u> </u>	Compressive Strength 722	DOT-319					
	Portland	Air Content T137						
	Cement	Fineness <i>M85</i>	DOT-175					
		Autoclave M85						
		Compressive Strength M85	DOT-1/5					
		Vicat 7131						
		Chemical <i>M85</i>						
	Portland	Air Content T137						
	Pozzolan Cement	Fineness M240						
		Autoclave A240	DOT-175					
		Compressive Strength M240						
		Vicat 7131						
		Chemical M240						
	Fine Aggregate	Gradation 727						
		Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Aggregate	Gradation 727			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Highway Signs	Certification	DOT-72		QPL-80 w/sign produce back of sign	ers approval decal on		
	Anchor Bolts	Grade <i>M314</i>						
		Yield Strength T244	1					
		Tensile Strength T244						
		Elongation <i>T244</i>						
		Reduction of Area T244		1 bolt per	Dra in an a start by Offi	an of Matariala 9 CDT		
		Thread Dimensions	Certification	diameter, per Heat Number,	Pre-inspected by Office stam	ce of Materials & GDT nped.	Supplier	
		Size		per Project	2.00			
		Diameter						
		Length						
		Chemical M314	_					
0.40		Galvanization ASTM A153						
640 REFLECTORIZED	Sign	Certification	DOT-72	ı	QPL-80 w/sign produce	are approval decel on		
RAILROAD CROSS BUCK SIGN	Sign	Certification	DO1-72		back of sign	ers approval decal on		
	<u>Concrete</u>	•			······································		··	
		Compressive Strength 722	DOT- T152					
	Portland	Air Content T137						
	Cement	Fineness <i>M85</i>						
		Autoclave M85	DOT-175					
		Compressive Strength M85] DO1-175					
		Vicat T131						
		Chemical M85						
	Portland	Air Content T137						
	Pozzolan Cement	Fineness M240	DOT-175					
		Autoclave M240						
		Compressive Strength M240						

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Vicat T131						
		Chemical <i>M240</i>						
	Fine Aggregate	Gradation 727						
		Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Source; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except from Section D, Stockpile Basis Sources.; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11						
	Aggregate	Gradation 727	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Source; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except from Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
641								
GUARD RAIL	Steel Guard Rail	Dimensions <i>M180</i> Yield Strength <i>T244</i>						Determination of Zinc
		_	-					Coating with Thickness
		Tensile Strength T244	DOT-600		QPL-8 & Certified		Stock	Gauge
		Elongation T244			Mill Test Report			Independent Assurance:
		Chemical M180	1					sample occasionally
	A1	Galvanization						
	Aluminum Guard Rail	Chemical ASTM B209 Thickness Section 859.01.B						
		Dimensions Section 859.01.B			ODI o a Osmiffest			
		Tensile Strength T244	DOT-600		QPL-8 & Certified Mill Test Report		Stock	Independent Assurance: sample occasionally
		Yield Strength T244]		root rtoport			Sample decadoration,
		Elongation T244]					
		Bend Diameter Factor ASTM B209						
		Hardness ASTM B241]					
•	L		4		4		L	<u></u>

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
CONCINCOTION	WINTERWICE	Shear Strength ASTM B565	Корот	O/ (IVII LL	ACCEL TAILOR	710001011102	OT O/WIN EITO	REW TRO
	Cable End Anci							
		Certification	Certification					
	Anchor Plates	Charpy ASTM E23						
		Thickness						
		Yield Strength ASTM A370						
		Tensile Strength ASTM A370	-		Certified Mill Test			
		Elongation ASTM A370	Certification		Report			
		Reduction of Area ASTM A370						
		Hardness ASTM A370		_				
		Chemical ASTM A709						
		Certification						
	Anchor Rods	Chemical ASTM A575 or ASTM A576	Certification		Certified Mill Test Report			
	Anchor Cable	Diameter ASTM A741						
		Number of Wires ASTM A741						
		Weight ASTM A741						
		Breaking Strength ASTM A741	Certification		Certified Mill Test Report			
		Galvanization ASTM A741			=			
		Ductility ASTM A741			=			
		Appearance	1		1			
	Bolts & Nuts	Chemical ASTM F568						
		Yield Strength ASTM F606						
		Tensile Strength ASTM F606						
		Elongation ASTM F606			=			
		Reduction of Area ASTM F606	Certification		Certified Mill Test Report			
		Hardness ASTM F606						
		Length			1			
		Diameter			1			
		Thread Class						
		Galvanization ASTM A153	<u> </u>					

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Steel Posts	Charpy ASTM E23						
		Thickness						
		Yield strength ASTM A370						
		Tensile Strength ASTM A370						
		Elongation ASTM A370			QPL-8 & Certified			Independent Assurance:
		Reduction of Area ASTM A370	DOT-600	1 Post	Mill Test Report		Stock	sample occasionally
		Hardness ASTM A370						
		Chemical ASTM A709						
		Certification						
		Galvanization ASTM A123						
	Concrete Posts		DOT-165		Pre-inspected by Central Lab Personnel or if manufactured on job, sampled in accordance with Section 500, Concrete Pipe Headwall		Project	
	Wood Posts	Retention of Preservative AWPA <i>C14</i>	Certification		QPL-50 & pre- inspected by Authorized Agency with AWW stamp in each end		Stock	Independent Assurance: sample occasionally
	Metal Caps	Certification	DOT-165		Certified Mill Test Report		Stock	Independent Assurance: sample occasionally
	Anchor Assembly	Certification	DOT-165		Certified Mill Test Report			
	Wood Offset Blocks	Retention of Preservative AWPA <i>C14</i>	Certification		QPL-50, pre- inspected by Authorized Agency & AWW stamped		Stock	Independent Assurance: sample occasionally
	Steel Offset Blocks	Certification	DOT-600		QPL-8 & Certified Mill Test Report			
	Bolts, Nuts & Washers	Certification	Certification		Certified Mill Test Report	1	Stock	
	Galvanized Repair Compound	Certification	Certification	1 qt.	Approved by Office of N	Materials		

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
643								
FENCE	Chain Link Fence Fabric	Specification Requirements ASTM A392 or ASTM A491						
		Height		1 ft x height				*Material not pretested:
		Diamond Count]	of fence. One	Pre-inspected by		1	Engineer should contact
		Mesh Size	Certification	sample per 50 rolls*, per	Office of Materials & GDT tagged		Supplier	Inspection Services Branch of Office of Materials prior
		Wire Diameter		Project	OD 1 taggod			to use
		Breaking Strength ASTM A817	-					
		Coating ASTM A817	-					
	Chain Link Fence Posts	Specification Requirements ASTM F669						
		Dimensions]					
		Yield Strength ASTM A702		1ft or 1 pc. for accessories. One sample	Pre-inspected by			Independent Assurance:
		Tensile Strength ASTM A702	Certification	per 500 posts, per	Office of Materials & GDT stamped		- Supplier	sample occasionally
		Weight	- - -	project				
		Hardness ASTM A702						
		Galvanization ASTM A123					1	
	Barbed Wire	Specification Requirements ASTM A121 or ASTM A585						
		Diameter						
		Number of Points ASTM A121		3 ft., One sample per	Pre-inspected by			
		Shape & Spacing of Barbs ASTM A121	- Certification	50 rolls, per project	Office of Materials & GDT tagged		- Supplier	
		Breaking Strength ASTM A121	1					
		Coating ASTM A121 or ASTM A585	-				-	
	Concrete	Air Content GDT-26 or GDT-32 Slump GDT-27 Mix Temperature GDT-122	DOT-319	See NOTE			During placement operations	
		NOTE: Acceptance of Concrete for Temp. tests are performed as judgets.				he properly documented	DOT-319. No cylinders are	required. Slump, Air & Mix
	Portland	Air Content T137	T	<u> </u>				
	Cement	Fineness <i>M85</i>	DOT-175		QPL-3			
1	L		1		<u> </u>	.[1	

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Autoclave M85						
		Compressive Strength M85						
		Vicat 7131						
		Chemical M85						
	Portland	Air Content T137						
	Pozzolan Cement	Fineness M240						
	Cement	Autoclave M240	DOT 175					
		Compressive Strength M240	DOT-175		QPL-3			
		Vicat T131						
		Chemical <i>M240</i>						
	Fine Aggregate	Gradation 727						
		Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; materil from Section D must b sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11						
	Aggregate	Gradation 727	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Woven Wire	Height						
	Fence Fabric	Vertical & Horizontal Spacing	1					
		Diameter	1					
		Number of Wires	O a wife of		Certified Mill Test		Otask	
		Breaking Strength ASTM A116	Certification		Report		Stock	
		Coating ASTM A116 or ASTM A584						
	Steel Posts & Bracing	Specification Requirements ASTM F669	Certification		Certified Mill Test Report		Stock	

					GUIDE FR	EQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
	Wood Fence	Dimensions			ODI 50.0	ad har Arath and and		La danca da da Assurance	
	Posts	Preservative Treatment	Certification		QPL-50 & pre-inspected Agency with an AWW	ed by Authorized stamp in each end		Independent Assurance: sample occasionally	
		Certification							
	Metal Caps	Specification Requirements ASTM A93	0 111 11		Certified Mill Test			Independent Assurance:	
		Thickness	Certification		Report		Stock	sample occasionally	
		Galvanization ASTM A525							
	Ground Rods	Diameter				<u>-</u>			
		Length	Contitiontion		Constitional Mil	I Tank Damant			
		Galvanization ASTM A153	Certification		Certified Mill	I Test Report			
045									
645 REPAIR OF	Galvanized	Certification	Certification	l 1 at	Approved by Office of	Matorials			
GALVANIZED COATINGS	Repair Compound	Certification	Certification	1 qt.	Approved by Office of the	waterials			
647									
TRAFFIC SIGNAL INSTALLATIONS	As Specified	As Specified	Certification		Pre-approved Catalog	g Cuts on all Materials			
648									
TRAFFIC IMPACT ATTENUATOR	Attenuator	Certification	Certification		QPL-64				
	Miscellaneous Items	Certification	Certification					-	
	Concrete	Compressive Strength GDT-35 & T22	DOT-319	2 cylinders	See NOTE 1		During placement operations	Cylinders to be broken in Branch or Central Lab	
		NOTE 1: One set per each 50 yd Concrete cylinders shall be fabrica structure to represent Concrete pl	ated for each cun	nulative 50 yd3 or	daily for each structure. fraction there of, of Cond	, except for Concrete use crete placed per week in	ed in Bridge Curb, Handrail each structure. Cylinders s	or Wall Coping. Two shall not be fabricated at one	
		Air Content GDT-26 or GDT-32	DOT-319	See NOTE 2	When cylinders are made		During placement operations	Additional Slump tests will be required when Water is added on Project	
		Slump GDT-27	1						
		Mix Temperature GDT-122	1						
		NOTE 2: Air, Slump & Mix Tempor recommended at least every third			when cylinders are made & as judged necessary to insure adequate controls. Additional tests are lent.				
	Sand	Gradation 727		T	One per Project		Stock	T	
649									
CONCRETE	Concrete								

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
GLARE SCREEN		Compressive Strength GDT-35 & T22	DOT-319	2 cylinders	See NOTE 1		During placement operations	Cylinders to be tested in Branch or Central Lab
		NOTE 1: One set per each 75 yd 150 yd ³ , or fraction thereof, placed	$\frac{1}{3}$, for fraction the daily.	reof, placed daily	v, except for Concrete Ba	rrier placed with slip form	n equipment. Two cylinders	s shall be fabricated for each
		Air <i>GDT-26 or GDT-32</i>						
		Slump <i>GDT-27</i>	†	See NOTE 2			During placement	
		Mix Temperature <i>GDT-122</i>					operations	
		NOTE 2: Air, Slump & Mix Temp	erature tests are	required when cy	linders are made & as ju	dged necessary to insure	adequate control.	
	Portland	Air Content T137		1				
	Cement	Fineness <i>M85</i>			-			
		Autoclave M85			-			
		Compressive Strength M85	DOT-175		QPL-3			
		Vicat T131						
		Chemical <i>M85</i>	-		-			
	Portland	Air Content T137						
	Pozzolan	Fineness <i>M240</i>						
	Cement	Autoclave M240						
		Compressive Strength <i>M240</i>	DOT-175					
		Vicat 7131						
		Chemical <i>M240</i>						
	Fine Aggregate	Gradation 727						
	33 - 3	Sand Equivalent <i>GDT-63</i>				QPL-1 Sources, 1		
			DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must b sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11						
	Aggregate	Gradation 727	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must b sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		

					GUIDE FR	EQUENCY		
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	LOCATION OR TIME	
CONSTRUCTION 650	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	OF SAMPLING	REMARKS
IMPACT	Steel	Certification	Certification	Ì	QPL-64			
ATTENUATOR	Attenuator				Q. 2 0 .			
UNITS (Compression	Concrete Base	L	L	L	<u> </u>		<u> </u>	
Crash Cushion)	Portland	Air Content T137						
,	Cement	Fineness <i>M85</i>						
		Autoclave M85				One per Quarter, per		
		Compressive Strength M85	DOT-175	10 lbs.	QPL-3	Source, per District	Stock	
		Vicat T131						
		Chemical <i>M85</i>						
	Portland	Air Content T137						
	Pozzolan Cement	Fineness M240						
	Cement	Autoclave <i>M240</i>	DOT 175					
		Compressive Strength M240	DOT-175					
		Vicat 7131						
		Chemical <i>M240</i>						
	Fly Ash	Physical & Chemical ASTM C311			•			
		Fineness M295						
		Activity M295	DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District	Stock	
		Soundness M295		Source, per District				
		Density M295						
		Chemical M295						
	Slag	Fineness <i>M302</i>						
		Activity M302						
		Soundness M302	DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District	Stock	
		Density M302						
		Chemical M302						
	Coarse	Wash 200 T11						
	Aggregate	Gradation 727	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.	Stock or Conveyor Belt	
	Fine Aggregate	Gradation <i>T27</i> Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1,	QPL-2 Sources, 1 per month, per active	Stock or Conveyor Belt	

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i> Wash 200 <i>T11</i>	REPORT SM Report	SIZE OF SAMPLE		QUALITY	LOCATION OR TIME	
		Wash 200 T11		SAMELL	ACCEPTANCE	ASSURANCE	OF SAMPLING	REMARKS
					except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
W	Water	Quality of Water to be Used in Concrete 726	DOT-088	1 qt.*	One per unpotable Source, per month		Enough in advance so that results are known before use	*non-metal container
	Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete <i>M154</i>	Certification	1 qt.	QPL-13	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Chemical Admixtures	Chemical Admixtures for Concrete <i>M194</i>	Certification	1 qt.	QPL-14	One per 6 months, per Source, per District	Ready Mix Plant Stock	
D	Deck Oil		Certification	1 qt.	QPL-23	None	Stock	
	Steel Bars for	Number <i>M31M</i>						
R	Reinforcement	Weight <i>M31M</i>					Supplier,Fabricator or Jobsite storage	
		Dimensions M31M						
		Deformation Spacing <i>M31M</i>		1 pc @ 24" per size				
		Height & Gap <i>M31M</i>	DOT-166		QPL-12 & QPL-61	Random sampling at Fabricator		
		Tensile Strength T244	DO1-100		w/Certified Mill Test Reports.			
		Yield Strength T244						
		Elongation <i>T244</i>						
		Bend Test T285						
		Chemical <i>M31M</i>						
	Steel Wire for	Size M32M						
R	Reinforcement	Diameter M32M						
		Area <i>M32M</i>						
		Tensile Strength T244	Certification	1 pc @ 24" per size/dia	Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Yield Strength T244		per 3ize/dia	Корон		producer stock	
	Welded Steel Wire Fabric for Reinforcement	Area Reduction T244						
		Bend Test <i>M32M</i>						
		Size M55M						
		Diameter <i>M55M</i>						
		Area M55M	Certification	2' X 2'	QPL-55 w/Certified Mill Test Report	d Random sampling	Jobsite storage and/or producer stock	
		Tensile Strength T244	Certification		will resurcepoin		producer stock	
		Yield Strength T244	1					

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Area Reduction T244						
		Bend Test M55M						
		Weld Shear Strength M55M						
		Width M55M						
		Length <i>M55M</i>]					
		Spacing <i>M55M</i>						
651								
RAISED TRAFFIC	Epoxy	Pot Life GDT-58						
BARS	Adhesive	Elongation GDT-58						
		Bond Strength GDT-58	Certification	1 kit	QPL-15 or 1 sample		Stock	
		Hardness ASTM D2240	Certification	1 Kit	per batch, per Type		Stock	
		Sag Test T237						
		Wet Bond Test T237						
	Concrete	Compressive Strength GDT-35 & T22	DOT-319	2 cylinders	See NOTE 1		During placement operations	Cylinders to be broken in Branch or Central Lab
		NOTE 1: One set per each 50 yd	³ of each Class o	f Concrete place	d daily.		•	•
		Air Content GDT-26 or GDT-32		See NOTE 2	When cylinders are		During placement	Additional Slump test will
		Slump GDT-27	DOT-319		made		operations	be required when Water is added on Project
		Mix Temperature GDT-122	1 001-319					· 1
		NOTE 2: Air, Slump & Mix Tempore recommended at least every third			cylinders are made & as	s judged necessary to ins	ure adequate controls. Add	ditional tests are
	Portland	Air Content T137						
	Cement	Fineness M85		_				
		Autoclave M85	DOT-175		ODI O			
		Compressive Strength M85			QPL-3			
		Vicat 7131						
		Chemical <i>M85</i>						
	Fine Aggregate	Gradation <i>T27</i>						
		Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Aggregate	Gradation 727			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
652								
PAINTING TRAFFIC STRIPE	Paint	Pigment ASTM D2371 Non-Volatile Vehicle						
		Grind Viscosity ASTM D562			QPL-46 & pre-			
		Dry Time ASTM D711	Certification	2 pints per	inspected by Office		Supplier	
		Percent Volatile	Commodium	batch	of Materials & GDT stamped		Сиррног	
		Weight per Gallon ASTM D1475			Stamped			
		Color						
		Certification						
	Glass Beads	Gradation ASTM D1214						
		Roundness ASTM D1155						
		Refractive Index M247						
		Flow M247	Certification		QPL-71		Stock	
		Visual						
	Post Installation Inspection	SOP 39	Certified Test Report OMR- CVP-66		Contractor performs testing. Submits results on OMR- CVP-66			
653								
THEMOPLASTIC TRAFFIC STRIPE	Thermoplastic	Softening Point ASTM D36						
TRAITIO OTRII L		Color Retention ASTM D620						
		Indentation Resistance ASTM D2240	Certification		QPL-46 & CTT stamped		Jobsite	
		Water Absorption ASTM D570	Certification		Stampeu			
		Binder ASTM D4797						
		Abrasion Resistance						
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					GUIDE FRI	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
CONCINCOTION	WOTERWE	Color	rtoport	67 tivii 22	710021 1711102	7,0001011702	01 0/ WH EHVO	TCLIVII II CI CO
		Reheating	1				-	
		Percent Glass Beads	1				-	
	Glass Beads	Gradation ASTM D1214		1 bag per				
		Roundness ASTM D1155	1	10,000 lbs.,			-	
		Refractive Index M247	Certification	split for a one	QPL 71		Stock	
		Flow M247	1	gal. composite			-	
		Visual		sample				
	Post Installation Inspection	SOP 39	Certified Test Report OMR- CVP-66		Contractor performs testing. Submits results on OMR- CVP-66			
654								
RAISED PAVEMENT MARKERS	Raised Pavement Markers	Specific Intensity ASTM D4280						
WARRENO	Warkers	Compressive Strength ASTM D4280	Certification	50 ea.	QPL-76		Stock	
		Color						
	Epoxy Resin	Pot Life GDT-58						
Adi	Adhesive	Elongation GDT-58						
		Bond Strength GDT-58	Certification	1 kit	QPL-15 or 1 sample		Stock	
		Hardness ASTM D2240		T KIL	per batch, per Type		Stock	
		Sag Test T237						
		Wet Bond Test T237						
	Bituminous	Softening Point 753						
	Adhesive	Penetration T49						
		Flow ASTM D3407						
		Flash Point T48	Certification		Certified Mill Test		Stock	
		Viscosity ASTM D2669 & T202	Certification		Report		Stock	
		Filler Content						
		Filler Fineness ASTM C430	1		-		-	
655								
PAVEMENT	Paint	Pigment ASTM D2371						
ARROW WITH RAISED		Non-Volatile Vehicle						
REFLECTORS		Grind						
		Viscosity ASTM D562	Contification	2 pints per	QPL-46 & pre-inspected	d by Office of Materials		
		Dry Time ASTM D711	Certification	batch number	& GDT stamped	,		
		Percent Volatile	1					
		Weight per Gallon ASTM D1475						
I 	L	L	L	L	.L			<u> </u>

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES	REPORT SM	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	DEMARKS
CONSTRUCTION	MATERIAL	Name & <i>Number</i> Color	Report	SAMPLE	ACCEPTANCE	ASSURANCE	OF SAMPLING	REMARKS
		Certification						
	Epoxy Resin	Pot Life GDT-58	 			[
	Adhesive	Elongation <i>GDT-58</i>					-	
		Bond Strength GDT-58			QPL-15 <u>or</u> 1 sample		-	
		Hardness ASTM D2240	Certification	1 kit	per batch, per Type		Stock	
		Sag Test 7237	1				-	
		Wet Bond Test 7237	1				-	
	Glass Beads	Gradation ASTM D1214				L		
		Roundness ASTM D1155		1 bag per				
		Refractive Index M247		10,000 lbs.,				
		Flow M247	Certification	split for a one	QPL-71			
		Visual	=	gal. composite				
				sample				
	Thermoplastic	Softening Point ASTM D36				<u></u>		
	moniopiadio	Color Retention ASTM D620	-				-	
		Color Retention Acrin 2020						
		Indentation Resistance ASTM D2240					Jobsite	
		Water Absorption ASTM D570	Certification		QPL-46 & CTT stamped			
		Binder ASTM D4797			1			
		Abrasion Resistance	1		1			
		Color						
		Reheating						
		Percent Glass Beads						
	Raised Pavement Markers	Specific Intensity ASTM D4280						
	iviarkers	Compressive Strength ASTM D4280	Certification		QPL-76			
		Color	-					
	Bituminous	Softening Point 753						
	Adhesive	Penetration 749	1		1		1	
		Flow ASTM D3407	1		1		1	
		Flash Point T48	Certification		Certified Mill Test Report		Stock	
		Viscosity ASTM D2669 & T202			- Nepoli		Ottook	
		Ew O						
		Filler Content						

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Filler Fineness ASTM C430						
657								
PREFORMED	Marking	Pigment ASTM E303						
PLASTIC PAVEMENT	Material	Refractive Index ASTM D4592						
MARKINGS		Thickness ASTM D4592	Certification		QPL-74			
		Reflective Intensity ASTM D4601 Color						
	Post	SOP 39			Contractor performs			
	Installation Inspection	001 00	Certified Test Report OMR- CVP-66		testing. Submits results on OMR- CVP-66			
658								
Standard and Wet Weather Polyurea Traffic Stripe	Polyurea	Physical Properties Section 658	Certification		QPL-46			
	Glass Beads	Physical Properties M247	Certification		QPL-71			
	Post Installation Inspection	SOP 39	Certified Test Report OMR- CVP-66		Contractor performs testing. Submits results on OMR- CVP-66			
660								
SANITARY SEWERS	Backfill	Gradation 727	DOT-658	45 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	As required by Project Engineer		
	Portland	Air Content T137						
	Cement	Fineness <i>M85</i>						
		Autoclave M85	DOT-175	10 lbs	QPL-3	One per Quarter, per	Stock	
		Compressive Strength M85	DOI-175	10 lbs.	QPL-3	Source, per District	Slock	
		Vicat T131						
		Chemical M85						
	Fine Aggregate for Mortar	Gradation 727	DOT-658	20 lbs.	QPL-1			
	Sewer Joint Sealing Compound	Specification Requirements Federal Specifications SS-S- 169	Certification	1 qt.	QPL-21 <u>or</u> 1 per lot, per shipment			

					GUIDE FR	EQUENCY		
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	LOCATION OR TIME	
CONSTRUCTION	MATERIAL Rubber	Name & <i>Number</i> Tensile Strength <i>ASTM D412</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	OF SAMPLING	REMARKS
	Gaskets	Tensile Strength ASTM D412						
		Elongation ASTM D412	-		-			
		Hardness ASTM D2240						
		Tear Strength ASTM D624	1		QPL-21 & Certified			
		Compression Set ASTM D395	Certification	1 of ea. Type	Mill Test Report		Stock	
		Water Absorption ASTM D471						
		Color	-					
	Resilient Clay Joints & Jute Heap		Certification		Accepted based on Project inspection			
	Reinforced Con	crete Pipe	.1	L	L	L	L	L
		M170	DOT-164A		QPL-4 & 0	CPT stamp		
	Portland	Air Content T137						
		Fineness <i>M85</i>						
		Autoclave M85	DOT-175					
		Compressive Strength M85	001-175					
		Vicat 7131						
		Chemical <i>M85</i>						
	Fly Ash	Fineness <i>M295</i>						
		Activity M295						
		Soundness M295	DOT-175		QPL-30			
		Density M295						
		Chemical M295						
	Fine Aggregate	Gradation 727						
		Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Aggregate	Gradation 727			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Steel Wire for	Size <i>M32M</i>						
	Reinforcement	Diameter M32M					Jobsite storage and/or producer stock	
		Area <i>M32M</i>						
		Tensile Strength T244	Certification	1 pc @ 24"	Certified Mill Test Report	Random sampling		
		Yield Strength T244		per size/dia				
		Area Reduction T244						
		Bend Test M32M						
	Welded Steel	Size <i>M55M</i>						
	Wire Fabric for	Diameter <i>M55M</i>						
	Reinforcement	Area <i>M55M</i>						
		Tensile Strength T244					Jobsite storage and/or producer stock	
		Yield Strength T244	Certification	2' X 2'	QPL-55 w/Certified Mill Test Report	Random sampling		
		Area Reduction T244						
		Bend Test <i>M55M</i>						
		Weld Shear Strength <i>M55M</i>						
		Width M55M						
		Length <i>M55M</i>						
		Spacing <i>M55M</i>						
	Cylinders	Compressive Strength	DOT-319					
	Physical	Diameter <i>M170</i>						
	Properties	Thickness M170						
		Reinforcement Design M170						
		External Load Strength T280						
	Non-Reinforced	Concrete Pipe		.	<u> </u>	·	·	
		M86	DOT-164A		QPL-4 & CPT stamped			
	Cement	Air Content T137						
		Fineness M85						
		Autoclave M85	DOT-175					
		Compressive Strength M85	- DOI-1/5					
		Vicat 7131						
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					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
CONCINCOTION	WHATEIGHTE	Chemical <i>M85</i>	Report	O/ tivii EE	7100E1 17110E	7,00017,1102	OI O/ WII EII (O	INDIVINITIO
	Fly Ash	Fineness <i>M295</i>						
		Activity M295	1		-			
		Soundness <i>M295</i>	DOT-175		QPL-30			
		Density <i>M295</i>	1					
		Chemical M295	1		_			
	Fine Aggregate	Gradation <i>T27</i>						
		Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 <i>T11</i>						
	Aggregate	Gradation 727	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Physical	Diameter M86						
	Properties	Thickness <i>M86</i>						
		External Load Strength 7280	1					
		Absorption <i>M86</i>						
		Permeability <i>M86</i>						
	Cast Iron Pipe	Transverse Bend Test ASTM A438						
		Tensile Strength ASTM E8	Certification		Certified Mill Test			
		Dimensions	1		Report			
		Coating	1		7			
	Clay Pipe	Bearing Strength ASTM C700			Ocasii Card Mill Tarat			
		Absorption ASTM C700	Certification		Certified Mill Test Report			
		Dimensions	7					

	1				GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
CONCINCOTION	WATERIAL	Glaze ASTM C700	Кероп	OAIVII EE	ACCEL TANCE	ACCONANCE	OI GAWII EIIVO	KLIWAKKO
		Blisters ASTM C700	1					
		Cracks ASTM C700	1					
		Perforations ASTM C700						
		Fittings ASTM C700	1					
	PVC Sewer Pipe	2	LL		-L	L	L	
		Dimensions						
		Flattening ASTM D3034	1					
		Impact Strength ASTM D3034	1					
					Operitional Mail Total			
		Stiffness ASTM D3034	Certification		Certified Mill Test Report			
		Joint Tightness ASTM D3212						
		Fittings ASTM D3034						
		Certification						
	Elastomeric Seals	Tensile Strength ASTM D412						
		Elongation ASTM D412						
		Hardness ASTM D2240			Certified Mill Test			
		Compression Set ASTM D395	Certification		Report			
		Stress Relaxation ASTM F913						
	Steel Pipe	Chemical ASTM A53						
		Yield Strength 7244	_					
		Tensile Strength T244	_					
		Elongation T244	_					
		Bending ASTM A53	╡					
		Flattening ASTM A53	- -		Certified Mill Test			
		Non-Destructive Electric Test ASTM A53	Certification		Report			
		Weight	1					
		Diameter	1					
		Thickness						
	Finish Appearance Plastic Truss Dimensions] [
		Appearance	7					
			O - all to - d A A State - d					
	Pipe	Stiffness ASTM D2680	DOT-164a Certification		Certified Mill Test Report			
		Deflection ASTM D2680	2011113411011					-

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Joints & Fittings ASTM D2680						
	Ductile Iron Pipe	Certification	Certification		Certified Mill Test Report			
	Bolted	Dimensions			Certified Mill Test			
	Couplings	Certification	Certification		Report			
	Cement Mortar Lining	Certification	Certification					
	Coal-Tar Enamel Lining	Certification	Certification					
668								
MISC DRAINAGE STRUCTURES		Air Content <i>GDT-26 or GDT-32</i> Slump <i>GDT-27</i>	DOT-319	See NOTE			During placement operations	Additional Slump test will be required when Water is
		Mix Temperature <i>GDT-122</i>						added on Project
		NOTE: Acceptance of Concrete f Temperature tests are as judged	or these items is necessary to insu	based upon resu ure adequate con	ults of Slump & Air tests & trols.	properly documented De	OT-319. No cylinders are re	equired. Air, Slump & Mix
	Portland	Air Content T137						
	Cement	Fineness <i>M85</i>						
		Autoclave M85	DOT-175		QPL-30			
		Compressive Strength M85] 001-173		QFL-30			
		Vicat T131	_					
		Chemical M85						
	Fine Aggregate	Gradation 727						
		Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Aggregate	Gradation 727			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Brick	Size						
		Absorption T32	Certification					
		Compressive Strength T32	7					
	Masonry Stone	Percent Wear T96						
		Soundness T104			One per Project		-	
		Appearance	DOT-658	100 lbs.			Stock	
		Dimensions			Visual Inspection		=	
		Abrasion T96			·		-	
	Mortar & Grout	Gradation GDT-3		20 lbs.	Enough to insure co Visual Ir	onsistency & quality; rspection		
		Size M32M						
	Reinforcement	Diameter M32M						
		Area M32M						
		Tensile Strength T244	Certification	1 pc @ 24"	Certified Mill Test	Random sampling	Jobsite storage and/or	
		Yield Strength T244		per size/dia	Report		producer stock	
		Area Reduction T244						
		Bend Test M32M						
	Gray Iron Casting	Specification Requirements <i>M105 Class 20</i>						
		Dimensions As Specified			QPL-11 & Certified			
		Tensile Strength M105	Certification		Casting Technician (CCT) stamped			
		Breaking Load <i>M105</i>			(CCT) stamped			
	Precast Units	Certification	DOT-164B		QPL-4 & CPT stamp			
	Sand for Bedding Material	Gradation <i>GDT-3</i>	DOT-658	20 lbs.	One per 1,500 yd ³		Stockpile	
	Non-Reinforced	Concrete Pipe						

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		M86	DOT-164A		QPL-4 & CPT stamp			
	Portland Cement	Air Content 7137						
	Cement	Fineness M85						
		Autoclave M85	DOT-175					
		Compressive Strength M85]					
		Vicat 7131						
		Chemical M85						
	Fly Ash	Fineness M295						
		Activity M295						
		Soundness M295	DOT-175					
		Density M295						
		Chemical M295						
	Fine Aggregate	Gradation T27						
		Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11						
	Aggregate	Gradation 727	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Physical	Diameter M86	-					
	Properties	Thickness <i>M86</i>	OMR-INSP-					
		External Load Strength T280	86					
		Absorption <i>M86</i>	Certification					
		Permeability	1					
	Welded Steel	Size <i>M55M</i>	-		QPL-55 w/Certified		Jobsite storage and/or	
	Wire Fabric for	Diameter M55M	Certification	2' X 2'	Mill Test Report	Random sampling	producer stock	
I		<u> </u>	⊥	1	.L	L	L.:	

					GUIDE FR	EQUENCY		
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	LOCATION OR TIME	
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	OF SAMPLING	REMARKS
	Reinforcement	Area M55M						
		Tensile Strength T244						
		Yield Strength T244						
		Area Reduction T244						
		Bend Test M55M						
		Weld Shear Strength <i>M55M</i>						
		Width M55M						
		Length M55M						
		Spacing <i>M55M</i>						
670					_			
WATER DISTRIBUTION SYSTEM	Cast Iron Pipe	Transverse Bend Test ASTM A438						
STSTEIN		Tensile Strength ASTM E8	Certification		Certified Mill Test			
		Dimensions			- Report			
		Coating			1			
	Ductile Iron Pipe	Certification	Certification		Certified Mill Test Report			
	Rubber Gaskets	Tensile Strength ASTM D412						
		Elongation ASTM D412			1			
		Hardness ASTM D2240			Certified Mill Test			
		Tear Strength ASTM D624						
		Compression Set ASTM D395	Certification		Report			
		Water Absorption ASTM D471			_			
		Color			_			
	Gate Valves &	General Requirements Section						
	Fire Hydrants	670.02	Certification		Certified Mill Test Report			
		Certification			Порон			
	Concrete Block							
	Portland	Air Content T137						
	Cement	Fineness <i>M85</i>						
		Autoclave M85	DOT-175					
		Compressive Strength M85	DO1-175					
		Vicat T131						
		Chemical <i>M85</i>						
	Fly Ash	Fineness <i>M295</i>	DOT-175					
		Activity M295						

					GUIDE FR	EQUENCY		
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	LOCATION OR TIME	
CONSTRUCTION	MATERIAL	Name & Number	Report	SAMPLE	ACCEPTANCE	ASSURANCE	OF SAMPLING	REMARKS
		Soundness M295	_					
		Density M295						
		Chemical M295						
	Fine Aggregate	Gradation 727						
	Coarse	Sand Equivalent <i>GDT-63</i> Wash 200 <i>T11</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Aggregate	Gradation 727						
		Gradation 121	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Copper Pipe	Dimensions						
		Weight ASTM B88]			
		Hardness ASTM B88	Certification		Certified Mill Test Report			
		Tensile Strength ASTM B88			Тероп			
	Galvanized Steel Pipe	Chemical ASTM A53						
	Steel Fipe	Yield Strength T244						
		Tensile Strength T244						
		Elongation T244						
		Bending ASTM A53						
		Flattening ASTM A53	Certification		Certified Mill Test			
		Non-Destructive Electric Test ASTM A53	Germicanon		Report			
		Weight			1			
		Diameter	_		1			
		Thickness	1		1			
		Finish			1			
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					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Appearance		-				-
		Galvanization ASTM A123	1		=			
	Plastic Pipe	Dimensions ASTM D2239						
		Bond ASTM D2239	Certification		Certified Mill Test			
		Certification			Report			
	Appurtenances	Tensile Strength ASTM B62						
		Yield Strength ASTM B62	Certification		Certified Mill Test Report			
		Elongation ASTM B62						
	PVC Pipe	Dimensions ASTM D2241						
		Flattening ASTM D2241	Certification		Certified Mill Test			
		Impact Resistance ASTM D2241	Certification		Report			
	Butterfly Valves	General Requirements Section 670.02	Certification					
		Certification						
676								
APPURTENANCE	Plumbing		Certification		Certified Mil	l Test Report		
FOR WATER SYSTEMS	Drinking Fountain & Yard Hydrants	Certification	Certification		Approved by the applicable Design Office			
680								
HIGHWAY	Standards &	Taper Section 920			ODI 50.8 mm			
LIGHTING	Towers	Galvanization ASTM A123			- QPL-52 & pre- inspected by Office			
		Weld	Certification		of Materials & GDT			
		Certification			stamped			
	Luminaries	Certification	Certification		Approved Catalog Cuts			
	Circuit Breakers	Certification	Certification		Approved Catalog Cuts			
	Electrical Cable	Certification	Certification		Approved Catalog Cuts			
	Duct	Certification	Certification	Galvanized Rigid: 1 ft sections per diameter PVC: 10 pcs., 1 ft in length	QPL-5			

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Anchor Bolts	Grade <i>M314</i>						
		Yield Strength T244						
		Tensile Strength T244						
		Elongation T244						
		Reduction of Area T244		1 bolt per	Pre-inspected by		0 5 5 1 1 1	
		Thread Dimensions	Certification	diameter, per Heat number,	Office of Materials &		Supplier,Fabricator or Jobsite storage	
		Size		per Project	GDT stamped		Gosono otorago	
		Diameter						
		Length						
		Chemical <i>M314</i>						
		Galvanization ASTM A153						
	Concrete	Air Content GDT-26 or GDT-32					During placement	Additional Slump test will
		Slump <i>GDT-27</i>	DOT-319	See NOTE			operations	be required when Water is added on Project
		Mix Temperature GDT-122		<u> </u>				
		NOTE: Acceptance of Concrete f Temperature tests are performed				k properly documented D	OT-319. No cylinders are re	equired. Air, Slump & Mix
	Portland	Air Content T137						
	0	Fineness M85	DOT-175					
		Autoclave M85		,	QPL-3			
		Compressive Strength M85	001-173		QFL-3			
		Vicat T131						
		Chemical <i>M85</i>						
	Fly Ash	Fineness M295						
		Activity M295						
		Soundness M295	DOT-175		QPL-30			
		Density M295						
		Chemical <i>M295</i>						
	Fine Aggregate	Gradation 727						
		Sand Equivalent <i>GDT-63</i>	DOT-658		One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse	Wash 200 T11	DOT-658		One per 1,500 tons	QPL-2 Sources, 1		

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
oone mee non	Aggregate	Gradation 727	Корол	O, IIII EE	based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.	G. G. IIII EII C	ALM WALC
	Steel Bars for	Number <i>M31M</i>						
	Reinforcement	Weight M31M						
		Dimensions M31M	+					
		Deformation Spacing <i>M31M</i>			QPL-12 & QPL-61 W/Oortified Mill Toot Random sampling at			
		Height & Gap <i>M31M</i>	1	1 pc @ 24"		Supplier,Fabricator or		
		Tensile Strength T244	DOT-166	per size	w/Certified Mill Test Reports.	Fabricator	Jobsite storage	
		Yield Strength T244	= 		Перопз.			
		Elongation T244	1					
	Bend Test T285 Chemical M31M Paint Pigment ASTM D2371	Bend Test T285						
		Chemical M31M	1					
		Pigment ASTM D2371						
		Non-Volatile Vehicle	7					
		Grind	1					
		Viscosity ASTM D562	1					
		Dry Time ASTM D711			Certified Mill Test			
		Percent Volatile	Certification	1 qt.	Report			
		Weight per Gallon ASTM D1475						
		Color	-					
		Color Certification	4					
	Gray Iron	Dimensions As Specified		ļ				
	Castings	Tensile Strength <i>M105</i>	0		QPL-11 & Certified Ca	sting Technician (CCT)		
		Breaking Load <i>M105</i>	Certification		stamped	,		
	Steel Pipe	Chemical ASTM A53		ļ				
	Oteer ripe	Yield Strength T244	4		-			
		Tensile Strength T244	-					
		Elongation T244	1		+			
		Bending ASTM A53	Certification		Certified Mil	I Test Report		
		Flattening ASTM A53	1		+			
		NDE Test ASTM A53	1		+			
		Weight	1		-			
I		9 · · ·	1	<u> </u>				

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Diameter						
		Thickness						
		Finish						
		Appearance						
	Steel Conduit	Galvanization ASTM A90	Certification	1 ft	QPL-5			
			1					
682								
ELECTRICAL CABLE & CONDUIT	Electrical Wire & Cable	Certification	Certification		Accepted by Approved Catalog Cut			
	Steel Conduit	Galvanization ASTM A90	Certification	1 ft	QPL-5			